





14422(3) LIMBN

Luton Rural District Council.

ANNUAL

REPORTS

of

Medical Officer of Health,

Surveyor and Sanitary Inspector

for the

YEARS 1941-1945.



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To the Luton Rural District Council.

Medical Officer's Annual Reports, 1941-1945.

The Chairman & Councillors of the Rural District of Luton Council.

Ladies and Gentlemen,

I have pleasure in submitting a Report on the Health and Sanitary conditions of the District for the years 1941 to 1945. In addition to the usual statistical tables for the five years, there is included a table of comparative statistics for easy reference. It shows high birth rates and low death rates, comparing very favourably with the figures of other districts and with preceding years.

Notifications of Infectious Diseases have shown little change throughout the years except for Diphtheria; in this disease there has been a steady fall in notifications, ten cases being notified in 1941, five in 1942, three in 1943, two in 1944 and none in 1945, and there were no deaths from this disease in any of the five years. By the end of 1945 a very high percentage of children had been immunised against this complaint and at least nine out of ten children of school age have now been protected.

I wish to express to the Public Health Committee my gratitude for their tolerance towards me in the difficulties I had in carrying out the duties of part-time Medical Officer of Health during the war years, and I tender my thanks to the Clerk to the Council and the Sanitary Inspector for the help and co-operation they have always given.

I have the honour to be

Your obedient servant,

H. A. PARGETER,

Medical Officer of Heal<mark>th,</mark> Rural District of Luton.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

1. GENERAL STATISTICS.

								£83,125.	
48,590	13,275	19,940	18,190	17,480	17,590	17,250	-5283.	$1941 - \mathcal{L}76,606 \ ; \ 1942 - \mathcal{L}77,739 \ ; \ 1943 - \mathcal{L}81,353 \ ; \ 1944 - \mathcal{L}81,834 \ ; \ 1945 - \mathcal{L}83,125.$	—£335.
:	*	:	:	:	:	:	1945-	4—£8	: 1945
:	•	*	:		i	:	$1941-5268;\ 1942-5271;\ 1943-5277;\ 1944-5258;\ 1945-5283.$	1,353; 194	$1941-\underline{\pounds}311;\ 1942-\underline{\pounds}306;\ 1943-\underline{\pounds}322;\ 1944-\underline{\pounds}320;\ 1945-\underline{\pounds}335.$
:		•	•	:	:	:	5277; 19-	1943—£8	-6322; 19
:	:	:	:	:	:	:	1943-	,739;	1943-
:	•	:	:	*	:	:	2-5271;	045-£77	2—£306;
:	:	:	:	:	:	:	5268; 1942	(76,606; 1	£311; 194
:	:	:	:	:	:	:	111-	111	11-11-
		1941	1942	1943	1941	1945		16	16
:	:	for	13		,,	66	:	:	late
:	1931)	Estimate		2		**	1 houses	:	Penny Is
s)	(Census	eneral's	í	**	4.6	13	Inhabited	alue	ented by
Area (acres)	Population (Census 1931)	Registrar-General's Estimate for 1941	"	:	9.6	96	Number of Inhabited houses	Rateable Value	Sum represented by Penny Rate

2. EXTRACTS FROM VITAL STATISTICS FOR THE YEARS 1941-1945.

			1941			1942			1943			1944			1945	
Notified Live Births:	T_{o}	Total	117	F	Total M	M	F	Total M F	11.		Total	M	F	Total	II	F
Legitimate	31	316 1	17.2	++	307	162	1+5	299	163	136	327	176	151	271	149	122
Megitimate	:		6	ıO	10	6	7	20	13	1	26	13	13	22	10	12
	 	330 1	181	140	323	17	152	319	170	143	353	189	164	293	159	134
Birth rates per 1,000 of estimated resident population	ent ::		16.5			17.8			18.2			20.1			16.9	

10-1	Total M. P. Total M. P. Total M. F. Total M. F. Total M. F.	7 5 2 8 4 4 11 0 5 9 5 4 8 4 4	7 5 2 0 5 4 12 0 0 10 5 5 8 4 4	337 332 331 303 301 ths) 20.8 27.1 3.53 27.5		Total M F	222 110 112 202 99 103 192 90 102 204 99 105 174 96 78	ted resident 11.1 11.1 10.9 11.6 10.1	1941 1942 1943 1945	-		of age. 1941 1942 1943 1944 1945 1945 1945 1945 1945 1945 1945
	Noted Still Birds.						Registered Deaths	Sid		Deaths from Puerperal causes (beadings 29 and 30 of Registrar-Coneral's short list)).		

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL DEATH RATES AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEARS 1941, 1942, 1943, 1944 & 1945.

(England and Wales, London, 126 Great Towns and 148 Smaller Towns). (Provisional figures based on Weekly and Quarterly Returns.)

Deaths	1941.				LUTON RURAL DISTRICT		ENGLAND AND WALES.	\ *	County Boro's and Great Towns including London.	× × × × × × × × × × × × × × × × × × ×	Smaller Towns (Resident Population 25,500 to 50,00	at 1951 Census).	London Administrative County.
Notifications: Rates per 1,000 Civilian Population	Births:				*R	ates	per 1	,000) Civil	ian	Popul	atio	11
MI causes 11.1 12.9 14.9 13.0 16.3		• • •	• • •										
MI causes 11.1 12.9 14.9 13.0 16.3	Deaths:												
Typhoid and Paratyphoid Fevers					11.1	1	20		14.0		13.0		16.3
Scarlet Fever													0.01
Whooping Cough													0.00
Diphtheria													0.04
Influenza											0.06		0.03
Rates per 1,000 Live Births	_				0.25						0.20		0.15
Rates per 1,000 Live Births Deaths under 1 year of age 42 59 71 56 68 Deaths from Diarrhoea and Enteritis under 2 years of age 3.0 5.1 7.5 4.6 6.8					_								
Deaths under 1 year of age	Measles	***	• • •				0.03	• • •	0.03	• • •	0.03	• • •	0.02
Notifications: Rates per 1,000 Civilian Population	Deaths under 1 year	of ag	ge	•••	42							• • •	68
Typhoid Fever					3.0	• • •	5.1	• • •	7.5	• • •	4.6	• • •	6.8
Paratyphoid Fever — 0.09 0.12 0.09 0.0 Cerebro Spinal Fever — 0.25 0.31 0.20 0.3 Scarlet Fever — 1.1 1.47 1.49 1.51 1.0 Whooping Cough 3.3 4.39 4.37 4.50 3.5 Diphtheria 0.6 1.25 1.53 1.19 0.9 Erysipelas 0.2 0.30 0.36 0.27 0.5 Smallpox — — — — — Measles 6.75 10.33 8.27 10.47 4.7 Pneumonia 1.2 1.25 1.53 1.04 1.0 Maternal Mortality: (Ex. Abortion) Rates per 1,000 Total Births (Live and Still Direction (No. 147) — 0.48 NOT AVAILABLE Total — 1.75 NOT AVAILABLE Notifications: Puerperal Pever — 1.29 11.91 15.64 9.43 19.39 Puerperal Pyrexia — 1.29 11.91 15.64 9.43 <td>Notifications:</td> <td></td> <td></td> <td></td> <td>Ra</td> <td>ites p</td> <td>er 1,</td> <td>000</td> <td>Civili</td> <td>an l</td> <td>Popula</td> <td>ation</td> <td>l</td>	Notifications:				Ra	ites p	er 1,	000	Civili	an l	Popula	ation	l
Paratyphoid Fever — 0.09 0.12 0.09 0.0 Cerebro Spinal Fever — 0.25 0.31 0.20 0.3 Scarlet Fever — 1.1 1.47 1.49 1.51 1.0 Whooping Cough 3.3 4.39 4.37 4.50 3.5 Diphtheria 0.6 1.25 1.53 1.19 0.9 Erysipelas 0.2 0.30 0.36 0.27 0.5 Smallpox — — — — — — Measles 6.75 10.33 8.27 10.47 4.7 Pneumonia 1.2 1.25 1.53 1.04 1.0 Maternal Mortality: (Ex. Abortion) Rates per 1,000 Total Births (Live and Still Direction (No. 147) — 0.48 NOT AVAILABLE Total — — 2.23 NOT AVAILABLE Notifications: Puerperal Pever —) 2.9 11.91 15.64 9.43 19.39 Puerperal Pyrexia) 2.9	Typhoid Fever				0.5		0.03		0.02		0.03		0.04
Cerebro Spinal Fever — 0.25 0.31 0.20 0.36 Scarlet Fever — 1.1 1.47 1.49 1.51 1.0 Whooping Cough 3.3 4.39 4.37 4.50 3.5 Diphtheria 0.6 1.25 1.53 1.19 0.9 Erysipelas 0.2 0.30 0.36 0.27 0.5 Smallpox — — — — — — — Measles . 6.75 10.33 8.27 10.47 4.7 Pneumonia . 1.2 1.25 1.53 1.04 1.0 Maternal Mortality: (Ex. Abortion) Rates per 1,000 Total Births (Live and Still Others . — 0.48 — . NOT AVAHLABLE Total — . — 2.23 NOT AVAHLABLE Notifications: Puerperal Pyrexia — 2.9 11.91 15.64 9.43 + 2.20 19.3* - - - - - - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.05</td></t<>													0.05
Whooping Cough 3.3 4.39 4.37 4.50 3.5 Diphtheria 0.6 1.25 1.53 1.19 0.9 Erysipelas 0.2 0.30 0.36 0.27 0.5 Smallpox							().25		0.31		0.20		0.30
Diphtheria 0.6 1.25 1.53 1.19 0.9					1.1		1.47		1.49		1.51		1.01
Erysipelas 0.2 0.30 0.36 0.27 0.5 Smallpox					3.3		4.39		4.37		4.50		3.50
Smallpox —<			• • •	• • •									0.93
Measles 6.75 10.33 8.27 10.47 4.7 Pneumonia 1.2 1.25 1.53 1.04 1.0 Maternal Mortality: (Ex. Abortion) Rates per 1,000 Total Births (Live and Still Puerperal Infection (No. 147) NOT AVAILABLE Total 2.23 NOT AVAILABLE Notifications: Puerperal Fever <td></td> <td>• • •</td> <td>• • •</td> <td>•••</td> <td>0.2</td> <td>• • •</td> <td>0.30</td> <td>• • •</td> <td>0.36</td> <td>• • •</td> <td>0.27</td> <td></td> <td>0.50</td>		• • •	• • •	•••	0.2	• • •	0.30	• • •	0.36	• • •	0.27		0.50
Pneumonia 1.2 1.25 1.53 1.04 1.00 Maternal Mortality: (Ex. Abortion) Rates per 1,000 Total Births (Live and Still Puerperal Infection (No. 147) <td< td=""><td></td><td>• • •</td><td>• • •</td><td>• • •</td><td></td><td>• • • •</td><td></td><td>• • •</td><td></td><td>• • •</td><td></td><td></td><td></td></td<>		• • •	• • •	• • •		• • • •		• • •		• • •			
Maternal Mortality: (Ex. Abortion) Rates per 1,000 Total Births (Live and Still Puerperal Infection (No. 147) — 0.48 — 1.75 — NOT AVAILABLE Total — 2.23 NOT AVAILABLE — 2.20 Notifications: Puerperal Fever													4.77
Puerperal Infection (No. 147) 0.48) NOT AVAILABLE Others 1.75) NOT AVAILABLE Notifications: Puerperal Fever) 2.9 11.91 15.64 9.43 2.26 Puerperal Pyrexia 19.3°	rneumonia	• • •	• • •	• • •	1.2	• • •	1.25	•••	1.53	• • •	1.04	• • •	1.07
Others 1.75 NOT AVAILABLE Total 2.23 Notifications: Puerperal Fever 2.9 11.91 15.64 9.43 19.39 Puerperal Pyrexia 19.39	Maternal Mortality: (Ex	. Abo	ortion)		Rates 1	er 1,	000 1	Cota	al Birt	hs (Live a	and	Still)
Others 1.75 NOT AVAILABLE Total 2.23 Notifications: Puerperal Fever 2.9 11.91 15.64 9.43 19.39 Puerperal Pyrexia 19.39	Puerperal Infection (N	o. 14	7)				0.48)					
Notifications: Puerperal Fever 2.9 11.91 15.64 9.43 19.39 Puerperal Pyrexia 19.39	Others				_				NOT	AV	AHLA	BLI	Ç
Puerperal Fever 1 2.9 11.91 15.64 9.43 19.39 Puerperal Pyrexia 19.39	Total	• • •	• • •	• • •		• • •	2.23	}					
Puerperal Pyrexia 2.9 11.91 15.64 9.43	Notifications:												
Puerperal Pyrexia 2.9 11.91 15.64 9.43	Puerperal Fever				1							(2.20
					2.9	1	1.91		15.64		0.43	1	
*Including Puerperal Fever	acoperator yrexia		• • •										17.J°

942.						LUTON RURAL BESTRICT		ENGLAND AND WALES.	×	County Boro's and Clear Towns including London.	Š	Smaller Towns (Resident Population 25, 00 to 50,00) or 1441 (Smear)	46 FOR CHISTOP.	London Administrative
Births:						*[{:	ates	per 1	,000	Civil	ian	Popul	atio	1
Live						17.8		15.8		17.3		18.4		1.4.()
Still						().49		0.54		(),()(0.62		(),48
Deaths:														
All causes						11.1		11.6		13.3		12.1		13.9
Typhoid ar				Fevers		_		0.00		(),()()		0.00		0.00
Scarlet Fev			***					0.00		0.00		0.00		0.00
				.,,				0.00		().()3		0.02		0.0
Whooping	Cons		* * *				• • •			(),()6		6.04		0,62
Diphtheria			• • •	• • •		<u> </u>	• • •	0.05						
	• • •		• • •			0.33		0,69		0,09		(),1()		(),()7
Smallpox		* * *					- • •							
Measles	• • •		* • •	* * *				0.01		0.02		0.01		0,0
							70			000 T		Pieths		
							K	ates p	er l	UCU L	11.6	DILLILA		
Deaths and					riti-	46		ates p 49		,000 L 59		46)		(,()
Deaths fro under 2	om 1) years	iarrhoe	ea ar			3.09	• • •	49 5.2		.59 7.5	•••	4.8		8.6
Deaths fro under 2 y	om D years	iarrhoe of age	ea ar	nd Ente	ritis	3.09	• • •	49 5.2 per		59 7.5) ('ivil	 ian	46 4.8 Popul	 ation	8,6 1
Deaths fro under 2 y Notifications: Typhoid F	om D years 'ever	of age	ea ar	nd Ente	ritis	3.09		5.2 per 0.01	1,00	59 7.5 Civil 0.01	 ian	46 4.8 Popul 0.01	 ation	8.6 1 0.0.
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi	om D years 'ever d Fe	of age	ea	nd Ente	ritis	3.09	ates	5.2 per 0.01 0.01		7.5 7.5 Civil 0.01 0.01	 ian 	46 4.8 Popul 0.01 0.01	 ation	8.6 1 0.0, 0.0
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro Si	om D years 'ever d Fe	of age	ea ar	nd Ente	ritis 	3.09 *R	ates	5.2 per 0.01 0.01 0.14	1,000	7.5 7.5 Civil 0.01 0.01 0.01 0.17	 ian 	46 4.8 Popul 0.01 0.01 0.12	 ation 	8.6 0.0. 0.0 0.1
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro S _I Scarlet Fc	om 1) years ever d Fe pinal	iarrhoo of age ever Fever	ea ar			3.09 *R 1.15	 !ates 	5.2 per 0.01 0.01 0.14 2.19	 1,00x 	7.5 7.5 Civil 0.01 0.01 0.17 2.49	ian	46 4.8 Popul 0.01 0.01 0.12 2.34	 ation	8.6 0.0. 0.0 0.1 1.8
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro St Scarlet Fe Whooping	om D years Cever d Fe pinal ver Cou	of age ever Fever gh	ea ar			3.09 *R - 1.15 0.44	 lates	5.2 per 0.01 0.01 0.14 2.19 1.73	1,000	7.5 7.5 0.01 0.01 0.01 0.17 2.49 1.97	ian	4.8 Popul 0.01 0.01 0.12 2.34 1.58	 ation 	8.6 0.0. 0.0. 0.1. 1.86 2.7.
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro St Scarlet Fe Whooping Diphtheria	om D years Cever d Fe pinal ever Cou	iarrhoo of age ever Fever gh	2			3.09 *R - 1.15 0.44 0.38	 !ates 	5.2 per 0.01 0.01 0.14 2.19 1.73 1.05	1,000	7.5 7.5 0.01 0.01 0.01 0.17 2.49 1.97 1.35	ian	46 4.8 Popul 0.01 0.12 2.34 1.58 0.91	ation	8.6 0.0. 0.0 0.1 1.86 2.7. 0.7
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro St Scarlet Fe Whooping Diphtheria Erysipelas	om Dyears Cever de Fe pinal ever Cou	iarrhoo of age ever Fever gh 				3,09 *R - 1,15 0.44 0.38 0.05		5.2 per 0.01 0.01 0.14 2.19 1.73 1.05 0.30		7.5 7.5 0.01 0.01 0.17 2.49 1.97 1.35 0.36	ian	46 4.8 Popul 0.01 0.02 2.34 1.58 6.91 0.26	ation	8.6 0.0. 0.0 0.1. 1.80 2.7. 0.70
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro Sp Scarlet Fe Whooping Diphtheria Exysipelas Smallpox	ever d Fe Cou	ever Fever gh				3,09 *R - 1,15 0.44 0.38 0.05		5.2 per 0.01 0.01 0.14 2.19 1.73 1.05 0.30 0.00		7.5 7.5 0.01 0.01 0.01 0.17 2.49 1.97 1.35 0.36 0.00	ian	4.8 Popul 0.01 0.01 0.12 2.34 1.58 0.91 0.26	ation	8.6 0.0 0.0 0.1 1.8 2.7 0.7 0.4 0.0
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro St Scarlet Fe Whooping Diphtheria Erysipelas	ever d Fe pinal ever Cou	iarrhoo of age ever Fever gh 				3,09 *R - 1,15 0.44 0.38 0.05		5.2 per 0.01 0.01 0.14 2.19 1.73 1.05 0.30		7.5 7.5 0.01 0.01 0.01 0.17 2.49 1.97 1.35 0.36 0.00 9.27	ian	46 4.8 Popul 0.01 0.12 2.34 1.58 0.91 0.26 - 7.30	ation	8.60 0.0 0.0 0.1 1.8 2.7 0.7 0.4 0.0 8.6
Deaths fro under 2 y Notifications: Typhoid F Paratyphoi Cerebro St Scarlet Fe Whooping Diphtheria Erysipelas Smallpox Measles	ever d Fe pinal Cou	ever Fever gh y: (Ex		ortion)		3.09 *R - 1.15 0.44 0.38 0.05 - 3.02	ates	5.2 per 0.01 0.01 0.14 2.19 1.73 1.05 0.30 0.00 7.46 1.07	 1,000 	7.5 7.5 7.5 7.5 7.6 0.01 0.01 0.17 2.49 1.97 1.35 0.36 0.00 9.27 1.30	ian	46 4.8 Popul 0.01 0.01 0.12 2.34 1.58 0.91 0.26 — 7.30 0.94	ation	8.6 0.0 0.1 1.8 2.7 0.4 0.0 8.6 0.9
Deaths frounder 2 y Notifications: Typhoid F Paratyphoi Cerebro SI Scarlet Fe Whooping Diphtheria Exysipelas Smallpox Measles Pneumonia Maternal Mon Puerperal Others Total	om Dyears Cever d Fe pinal ever Cou rtality	wever Fever gh y: (Ex	Ab	ortion)		3,09 *R - 1,15 0,44 0,38 0,05 - 3,02 0,49 Rates - 3,00		5.2 per 0.01 0.01 0.14 2.19 1.73 1.05 0.30 0.00 7.46 1.07	 1,000 	7.5 7.5 7.5 7.5 7.6 0.01 0.01 0.17 2.49 1.97 1.35 0.36 0.00 9.27 1.30	ian	46 4.8 Popul 0.01 0.12 2.34 1.58 0.91 0.26 — 7.39 0.94 (Live	ation	8.6 0.0 0.1 1.8 2.7 0.4 0.0 8.6 0.9
Deaths frounder 2 y Notifications: Typhoid F Paratyphoi Cerebro Sp Scarlet Fe Whooping Diphtheria Envsipelas Smallpox Measles Pheumonia Maternal Mon Pherperal 1 Others	om Dyears Cever d Fe pinal ver Cou rtality	wever Fever gh y: (Ex	Ab	ortion)		3,09 *R - 1,15 0,44 0,38 0,05 - 3,02 0,49 Rates - 3,00		5.2 per 0.01 0.01 0.14 2.19 1.73 1.05 0.30 0.00 7.46 1.07 1,000 0.12 1.59 2.01	1,000	59 7.5 0.01 0.01 0.01 0.17 2.49 1.97 1.35 0.36 0.00 9.27 1.30 NOT	ian	46 4.8 Popul 0.01 0.12 2.34 1.58 0.91 0.26 7.39 0.94 (Live	ation	8.6 0.0 0.1 1.8 2.7 0.7 0.4 0.0 8.6 0.9

*Including Puerperal Fever

1943.				LUTON RURAL DISTRICT		ENGLAND AND WALES.	126	County Poro's and Creat Towns meluding London.	Š	Resident Towns 2s,000 to 50,000 at 1931 (ensus).		Administrative County.
Births:				*R:	ates	per 1	,000	Civil	ian	Popul	atioi	Ī
Live				18.20		16.5‡		18.6		19.4		15.8
Still	• • •			0,69	• • •	0.51‡		0.63		0.61		0.45
Deaths:												
All causes				10.90		12.1‡		14.2		12.7		15.0
Typhoid and Parat		Fevers		_		0.00		0,00		0.00		0.00
Scarlet Fever	•••			-		0.00		0.00		(),()()		0.00
Whooping Cough			• • •	0.06		0.03		0.03		0.03		0.03
Diphtheria						0.03		0.04		0.04		0,03
Influenza	• • •	• • •	• • •	0.23	• • •	0.37	• • •	0.36		0.37	• • •	0.27
Smallpox	• • •	• • •	• • •		• • •	0.02	• • •	0.02	• • •	0.02	• • •	0.02
Measles	•••	• • •	• • •	0.06	• • •	0.02	• • •	0.02	• • •	0.02	• • •	0.02
					Ra	ates p	er 1,	000 L	ive	Births		
Deaths under 1 yea Deaths from Diarrh under 2 years of a	hoea ai		ritis	38	•••	49† 5.3	•••					58 10.4
Notifications:				*R	lates	per						
Typhoid Fever		• • •	• • •		• • •	0.01	• • •	0.01	• • •			
Paratyphoid Fever		• • •	• • •			0.01		0.01		0.01		0.0
Cerebro Spinal Fev	er			0.06		0.08		0.10		0.06		0.03
Scarlet Fever		• • •		3.43		3.01	• • •	3.29		3.54		3.80
Whooping Cough	• • •			0.92		2.54		2.82		2.25		2.68
Diphtheria		• • •		0.51		0.88		1.12		0.77		0.7-
Erysipelas				0.40		0.31		0.35		0.27		(),4.
Smallpox												_
Measles				7.84		9.88		9.23		9.77		9.17
Pneumonia	• • •	• • •		0.92	• • •	1.34	• • •	1.62		1.16		1.23
							-					~
Maternal Mortality: ()		_		Rates	-							
Puerperai Infection	(No. 1-	17)	• • •									
Others			• • •	-	}	2.29	1	NOT	Al	MIL.	/BL	E
Total		• • •	• • •	_))					
Notifications:												
Puerperal Fever)							,	3.03
		• • •	• • •	0.17		11.68		15.11		9,26	1	15.23
Puerperal Pyrexia	• • •	***	• • •	1							1	10.40

* A dash (-) signifies that there were no deaths,

† Per 1,000 related births.

‡ These rates are those published in the Quarterly Return. § Including Puerperal Fever.

1944.				RURAL DISTRICT		ENGLAND AND WALES.		Councy Boro's and C eat Towns meludang Lendon.	, O.	Smaller Towns (Reside at Population 25,00 to 5),00	at 1991 Cusus).	London Administrative County
Births:				#12:	ites	per 1	,000,	Civil	ian	Popul	atio	1
Live				20.1		17.6‡		20.3		20.9		15.0
Still			* * •	0.57		0.50‡		0.64		0.61		0.42
Deaths:												
All causes				11.6		11.6‡		13.7		12.4		15.7
Typhoid and Paratyl				_		0.00		0.00		(),()()		0.00
Scarlet Fever				_		(),()()		0.00		0.00		(),()()
Whooping Cough				_		0.03		0,03		0.02		(),()-[
Diphtheria						(),()2		(),()3		0.03		0.01
Influenza				0.28		0.12		0.10		0.11		0.08
Smallpox						0.00				_		_
Measles		***		_		0.01		0.01		0.01		1)(),()(1
Deaths under 1 year Deaths from Diarrho under 2 years of ag	ea an		ritis	48 7.9		46†	• • •	,000 L 52 7.3	•••	44		61 10.1
Notifications:				Ra	ites	per 1	,000	Civili	an	Popul	atior	1
Typhoid Fever			,,,	_		0.04		0.01		(),()1		13 1
Paratyphoid Fever						(),()1		(),()()		0.01		(),()]
Cerebro Spinal Fever				0.06		(),()5		0,06		(),(:4		0.06
Scarlet Fever			- + +	1.76		2.40		2.41		2.07		1.57
Whooping Cough				1.65		2.49		2.49		2.29		2.90
Diplitheria		* * *		0.28		0.58		0,67		0.69		0.31
Erysipelas				0.24		0.29		0.32		0.28		0.37
Smallpox		• • •		_		0,00		0,00		0.00		0.00
Measles				0.48		4.16		4.51		3.94		2.98
Pneumonia		* * *		0.48		0.97		1.13		0.82		0.93
Maternal Mortality: (Es	. Abo	ortion)		Rates	per	1,()()()	Tot	al Birt	ilis	(Live	and	Still)
Puerperal Infection ()	70 14	7)				0.28	}					
Others				2.80				NOT	. \	V. VII.	\Bl	Æ
Total		• • •		2.80		1.93		,				
Notifications:												
Pucrperal Fever)				4.5			1	3,61
Puerperal Pyrexia				_		1(),3-[-		13.13		9.25		14.148

* A dash () signifies that there were no deaths.

* Per 1,000 related births.

§ Including Puerperal Fever.

 \ddagger Rates per 1,000 Total population.

1945.				RURAL DISTRICT	ENGLAND AND WALES.	126 County Boro's and Great Towns including Loudon.	Smaller Towns (Resulent Poyulation 25,000 to \$6,0 0 at 1931 Census). London Administrative County.
Births:				#127	ites per 1	,000 Civil	ian Population
Live Still		• • •	• • •	16.9		19.1	19.2 15.7 0.53 0.40
Deaths:							
All causes Typhoid and Paratyph Scarlet Fever Whooping Cough Diphtheria Influenza Smallpox		 Fevers 		10.1 — — — — 0.23 —	11.4‡ 0.00 0.00 0.02 0.02 0.08 —	13.5 0.00 0.00 0.02 0.02 0.07 0.02	12.3 13.8 0.00 0.00 0.00 0.00 0.01 0.02 0.02 0.01 0.07 0.07
					Rates p	er 1,000 L	ive Births
Deaths under 1 year of Deaths from Diarrhoe under 2 years of ago	ea an		ritis	17 3.4	46†	54	43 · 53
Notifications:				Ra	ites per 1	,000 Civili	ian Population
Typhoid Fever Paratyphoid Fever Cerebro Spinal Fever Scarlet Fever Whooping Cough Diphtheria Erysipelas Smallpox Measles Pneumonia				2,60 0.46 0.06 0.30 7.07 0.42	0.01 0.01 0.05 1.89 1.64 0.46 0.25	0.01 0.00 0.05 2.02 1.65 0.52 0.28 0.00	0.01 0.01 0.01 0.00 0.05 0.06 2.03 1.57 1.47 1.25 0.56 0.31 0.24 0.31 0.00 11.19 9.03 0.72 0.78
(a) Notifications:				Rates 1	per 1,000	Total Birt	ths (Live and Still)
Puerperal Fever Puerperal Pyrexia	• • •	• • •] —	9.93	12.65	8.81 (3.60 (15.87§
(b) Maternal Mortality: Puerperal Infection (N Abortion with Sepsis Abortion without Sepsion Others Total	(No.	140)			0.24 0.25 0.08 1.2? 1.79		AVAILABLE

^{*} A dash (—) signifies that there were no deaths.

[†] Per 1,000 related births.

[‡] Rates per 1,000 Total population. § Including Puerperal Fever.

COMPARATIVE STATISTICS FOR 1941-1945.

<u>.</u>	Rate per 1, (0)		3.0	1	2.8	1
C DEATH	Total.	J	_	l		
MATERNAL DEATHS.	Wilher Andrew		у г			
<i>x</i>	Sepsia		1	ļ.		
, c	Rate per 1,000 live buths.	57	94	38	48	17
INFANT DEATHS,	Troid.	+	55	12	17	رى
INFAN	4 weeks to	4	7	w	∞	4
	Under 4 Weeks,	7	∞	_	6	
3HS.	Rate per 1,000 estimated population.	11.1	11:1	10.9	11.6	10.1
DEATHS.	Nex	222	203	192	204	17.4
BIRTHS,	Rate per 1,000	20.8	27.1	36.3	27.5	26.6
STILL	.o.Z	7	6	12	10	∞
RTHS.	Rate per 1,000.	16.5	17.8	8.2	20.1	16.9
LIVE BIRTHS.	20%	330	332	319	353	29.3
e ole androvenski senera manazi san	festinnated Population,	19,940	18.190	17,480	17,590	17,250
	Усат.	1941	1942	1943	1944	1945

DEATHS OF RESIDENTS IN THE RURAL DISTRICT OF LUTON DURING THE YEARS 1941-1945.

1. Typhoid and Paratyphoid Fever			19-		19-		19		19.	14 <i>F</i>	19- M	15 <i>F</i>
Fever	1	Cause of Death, Typhoid and Paratyphoid	M	F	M	F	M	F	M	1'	IVI	Γ
3. Scarlet Fever	1.		_	_	_	_	_	_	_	_	_	
4. Whooping Cough 1 1	2.	Cerebro-spinal Fever		_	1	_	_	1		_	_	_
S. Diphtheria	3.		_	_	_	_	_	_		_		_
6. Tuherculosis of Respiratory System 6 2 4 2 2 3 2 4 2 3 7. Other forms of Tuberculosis — — — 2 — — — 1 — — 1 —			_	1		_	_	1	_	_		_
System 6 2 4 4 2 2 3 3 2 4 2			_	_	_	_	_		_	_	_	_
8. Syphilitis Disease	6.	System	6	2	4		2	3	2		2	3
9. Influenza			_	_	_		_			1		_
10. Measles		* *	_	_			-	_		~		1
11. Acute Poliomyelitis and Polio-encephalitis			3	2	4	2	4		J	<u>ث</u>		
Polio-encephalitis .			_	_	_			ı	_			
Encephalitis — — — — — — — — — — — — — — — — — — —		Polio-encephalitis	_	_		_	_			←	\leftarrow	_
13. Cancer 1 — 1 3 1 1 4 2 2 — 1 3 1 1 4 2 2 — 1 3 1 1 4 2 2 — 1 3 1 1 4 2 2 — 1 4 2 2 — 3 2 6 1 3 2 3 3 2 3 3 2 3 3 2 1 1 — 3 — 1 1 0 0 1 1 1 1 — 1 — 2 1 1 — 1 — 1 — 2 1 1 — 1 — 1 — 2 1 1 — 2 1 1 — 2 1 1 — 2 1 1 — 1 — 1 — 1 — 1 1 1 1 1 1 1	12.		_	_	_	_	_	_	_	_		_
Duodenum 2	13.		1		1	3	1	1	4.	2	2	_
16. Cancer of all other Sites 5 8 12 7 11 8 10 8 6 1 17. Diabetes - 2 - 1 - 2 1 1 - 18. Intra-cranial Vascular lesions 14 10 5 19 3 11 8 13 2 19. Heart Disease 24 20 17 15 18 21 25 26 38 1 20. Other Diseases of the Circulatory System 3 3 2 1 1 2 3 4 3 21. Bronchitis 11 14 11 5 12 7 5 4 4 22. Pneumonia 6 5 6 5 4 4 3 3 5 23. Other Respiratory Diseases 1 - 2 1 1 - 1 - 1 - - 1 1 </td <td>14.</td> <td></td> <td>2</td> <td>_</td> <td>3</td> <td>2</td> <td>6</td> <td>1</td> <td>3</td> <td>2</td> <td>3</td> <td>2</td>	14.		2	_	3	2	6	1	3	2	3	2
17. Diabetes — 2 — 1 — 2 1 1 — 18. Intra-cranial Vascular lesions 14 10 5 19 3 11 8 13 2 19. Heart Disease 24 20 17 15 18 21 25 26 38 1 20. Other Diseases of the Circulatory System 3 3 2 1 1 2 3 4 3 21. Bronchitis 11 14 11 5 12 7 5 4 4 22. Pneumonia 6 5 6 5 4 4 3 3 5 23. Other Respiratory Diseases 1 — 2 1 1 — 1 — 1 — 1 — 1 — 1 — 1 — 1 — 1 1 — — 2 1 — — 2	15.	Cancer of Breast		1	_	5	-	5			_	5
18. Intra-cranial Vascular lesions	16.	Cancer of all other Sites	5	8	12	7	11	8	10	8.	6	10
lesions	17.	Diabetes	_	2	_	1	_	2	1	1	_	1
19. Heart Disease 24 20 17 15 18 21 25 26 38 1 20. Other Diseases of the Circulatory System 3 3 2 1 1 2 3 4 3 21. Bronchitis 11 14 11 5 12 7 5 4 4 22. Pneumonia 6 5 6 5 4 4 3 3 5 23. Other Respiratory Diseases 1 - 2 1 1 - 1 - 1 24. Ulceration of Stomach or Duodenum 1 - 1 - 1 - 1 - 1 25. Diarrhoea (under 2 years) - 1 1 - 1 - 1 1 1 1 - 1 26. Appendicitis 1 1 1 1 1 - 1 2 2 27. Other Digestive Diseases 4 4 2 2 2 4 1 3 5 2 28. Nephritis 2 2 2 2 1 1 4 2 4 2 29. Puerperal and Post-Abortive Sepsis	18.		1.1	10	-	10	2	1.1	0	1.2	2	4
20. Other Diseases of the Circulatory System 3 3 2 1 1 2 3 4 3 21. Bronchitis 11 14 11 5 12 7 5 4 4 22. Pneumonia 6 5 6 5 4 4 3 3 5 5 23. Other Respiratory Diseases 1 — 2 1 1 — 1 — 1 24. Ulceration of Stomach or Duodenum 1 — 1 — 1 — 1 — 2 1 — 1 25. Diarrhoea (under 2 years) — 1 1 — — — 2 1 — 2 1 — 2 26. Appendicitis — 1 1 1 — 1 2 — — — 2 27. Other Digestive Diseases 4 4 2 2 4 1 3 5 2 28. Nephritis 2 2 2 2 1 1 4 2 4 2 29. Puerperal and Post-Abortive Sepsis — — — — — — — — — — — — — — — — — —	10											12
Circulatory System 3 3 2 1 1 2 3 4 3 21. Bronchitis 11 14 11 5 12 7 5 4 4 22. Pneumonia 6 5 6 5 4 4 3 3 5 23. Other Respiratory Diseases 1 — 2 1 1 — 1 — 1 24. Ulceration of Stomach or Duodenum 1 — 1 — 1 — 1 — 2 1 — 2 25. Diarrhoea (under 2 years) — 1 1 — 1 — 1 1 1 — 2 26. Appendicitis — 1 1 1 — 1 2 — — 2 27. Other Digestive Diseases 4 4 2 2 4 1 3 5 2 28. Nephritis 2 2 2 2 1 1 4 2 4 2 29. Puerperal and Post-Abortive Sepsis — — — — — — — — — — — — — — — — — —			24	20	17	13	10	21	43	20	OL:	13
22. Pneumonia 6 5 6 5 4 4 3 3 5 23. Other Respiratory Diseases 1 - 2 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - - 2 1 - - - 2 1 - - - 2 1 -	2 0.		3	3	2	1	1	2	3	4	3	2
23. Other Respiratory Diseases 1 — 2 1 1 — 1 — 1 24. Ulceration of Stomach or Duodenum 1 — 1 — 1 — 1 — 2 1 — 2 1 — 25. Diarrhoea (under 2 years) — 1 1 — — — 1 1 1 1 — 1 2 — — — 2 26. Appendicitis — 1 1 1 1 — 1 2 — — — — — — — — — — — —	21.	Bronchitis	11	14	11	5	12	7	5	-1		4
24. Ulceration of Stomach or Duodenum 1 — 1 — 1 — 1 — 2 1 — 2 1 — 25. Diarrhoea (under 2 years) — 1 1 — — — — 1 1 1 1 — — — 2 1 — 26. Appendicitis — 1 1 1 1 — 1 2 — — — — — — — — — — — —	22.	Pneumonia	6	5	6	5	4	4	3	3	5	6
Duodenum 1 — 1 — — 2 1 — 25. Diarrhoea (under 2 years) — 1 1 — — — 1 1 1 — <td>23.</td> <td>Other Respiratory Diseases</td> <td>1</td> <td></td> <td>2</td> <td>1</td> <td>1</td> <td>_</td> <td>1</td> <td>_</td> <td>1</td> <td>1</td>	23.	Other Respiratory Diseases	1		2	1	1	_	1	_	1	1
26. Appendicitis - 1 1 1 - 1 2 -	24.		1	_	1	_	1	_	_	2	1	
27. Other Digestive Diseases 4 4 2 2 4 1 3 5 2 28. Nephritis 2 2 2 1 1 4 2 4 2 29. Puerperal and Post-Abortive Sepsis —			_	1	1	$\overline{}$	$\overline{}$	_		1	1	_
28. Nephritis 2 2 2 2 1 1 4 2 4 2 29. Puerperal and Post-Abortive Sepsis — — — — — — — — — — — — — — — — — —			_					_		_	_	_
29. Puerperal and Post- Abortive Sepsis — — — — — — — — — — — — — — — — — —												3
Abortive Sepsis — — — — — — — — — — — — — — — — — —			2	2	2	I	I	4	2	+	2	1
31. Premature Birth — 2 1 1 2 2 2 1 2 - 32. Congenital Malformations, Birth Injury, Infantile Disease 2 6 2 4 3 2 5 2 - 33. Suicide 3 1 1 3 1 1 1 - 1 34. Road Traffic Accidents 6 1 5 - 5 1 - 1 2	29.		_	_	_		_	_	←	-	_	
32. Congenital Malformations, Birth Injury, Infantile Disease 2 6 2 4 3 2 5 2 — 33. Suicide 3 1 1 3 1 1 1 — 1 34. Road Traffic Accidents 6 1 5 — 5 1 — 1 2	30.	Other Maternal Causes	_	_		1	_	_	_	1	_	_
Birth Injury, Infantile Disease 2 6 2 4 3 2 5 2 — 33. Suicide 3 1 1 3 1 1 1 — 1 34. Road Traffic Accidents 6 1 5 — 5 1 — 1 2	31.		_	2	1	1	2	2	2	1	2	_
33. Suicide 3 1 1 3 1 1 1 — 1 34. Road Traffic Accidents 6 1 5 — 5 1 — 1 2	32.	Birth Injury, Infantile	2	6	2	.1	3	2	5	2		1
34. Road Traffic Accidents 6 1 5 — 5 1 — 1 2	33.									_	1	1
				_	-			-		1	-	1
35. Other Violent Causes 1 6 2 1 4 2 5 2 1				_		1		2	5	2		6
			15				7			1.3	14	14
TOTALS 110 112 99 103 90 102 99 105 96 7		TOTALS	110	112	99	103	9()	102	90	105	96	78

NOTIFIED INFECTIOUS DISEASES (Civilian).

1941				Under 1 yr.	1-	3-	5-	1()-	15-	25-	Total
Typhoid				_			_	_	_		
Scarlet Fever					1	2	13	2	3	_	21
Diphtheria				1	_	1	7	1	1	1	12
Whooping Cough		***		8	12	22	22		1	1	66
Measles	* * *	* * *		3	16	12	72	27	3	5	138
Pneumonia	• • •		• • •		5	2	3	_	3	11	24
Anterior Poliomyelitis	• • •	* * *	* * *		_	_	_	_			_
Dysentery		• • •		_	_	_	_	_	_	_	_
Ophthalmia Neonatorum		* * *	• • •	1	_			_		_	1
Puerperal Pyrexia		• • •	* * *			_	_	_	_	1	1
Cerebro-spinal Fever	• • •	• • •	* * *	_	_	_	_	1	1	_	2
T 1						_	_	_	_	3	3
Errysipelas		• • •									-
TOTALS	* * *	* * *		13	34	39	117	31	12	22	268
1942											
Typhoid				_	_	_	_	_	_	_	_
Scarlet Fever				_	3	2	9	4	2	1	21
Diphtheria				_	1	_	2	2	2	_	7
Whooping Cough			***	1	1	2	4	_		_	8
Measles					8	7	33	5	2		55
Pneumonia		***	***	1	1		2	_	2	3	9
Anterior Poliomyelitis					_		_	_	_		
Dysentery				_		_	_	_	_		_
Ophthalmia Neonatorur	n			2		_	_	_	_	_	2
Puerperal Pyrexia					_	_				_	-
Cerebro-spinal Fever				_	1	_	_		_	1	2
Erysipelas				_	_		_	1	_		1
							# 0		0		105
TOTALS				4	15	11	50	12	8	5	105
1943											
Typhoid						_	_		_	_	_
Scarlet Fever				_	5	14	28	7	. 3	3	60
Diphtheria						_		3	4	2	9
Whooping Cough				2	4	6	4		_	_	16
Measles				4	7	23	73	29	1	_	137
Pneumonia				4		1	2		1	8	16
Anterior Poliomyelitis				_	1	_	_	_	_	_	1
Dysentery				_		_			_	_	_
Ophthalmia Neonatorur				1	_		_		_		1
Puerperal Pyrexia				-	_		_	_	1	2	3
Cerebro-spinal Fever		• • • •		_			_	1		_	1
Erysipelas					_			1		6	7
familiee					_	1		_		_	1
		,						-		- 2:	0.5.2
TOTALS		• • •	• • •	11	17	-15	1()7	-11	1()	21	252

Notified Infectious Diseases (Civilian), continued.

1944	$\begin{array}{c} Under \\ 1 \ yr. \end{array}$	1 -	3-	5-	10-	15-	25	Total
Typhoid		_	_			_		_
Scarlet Fever	1	1	5	17	7	-		31
Diplutheria		and the same of th	1	1		2	1	5
Whooping Cough	3	10	8	5	-	1	2	20
Measles	1	1	-1	1	_	-	1	8
Pneumonia	_		1		1	-	6	8
Anterior Poliomyelitis	_	_	_			_		
Dysentery	1		_	_	_	-	_	1
Ophthalmia Neonatorum	-							Marina .
Puerperal Pyrexia	_	_	_	_	_	_	_	na-mala
Cerebro-spinal Fever	. —	1			_	_		1
Erysipelas				_	_	_	-1	4
Jaundice				1		3	1	5
TOTALS	6	13	19	25	8	()	15	92
1945								
Typhoid		_	_	_	_	_		_
Scarlet Fever	1	1	-1	24	1()	2	3	45
Diphtheria						1	_	1
Whooping Cough	1	5	1	1	_		-	8
Measles	2	18	26	65	6	5		122
Pneumonia	1		_	1		3	2	7
Anterior Poliomyelitis			_	_	_	_	_	
Dysentery			_		_	_	1	1
Ophthalmia Neonatorum	1	-	_	_		-		1
Puerperal Pyrexia				_	_	_		→
Cerebro-spinal Fever		_	_	_	-	_		
Erysipelas			_	_	_		5	5
Jaundice	-					2	1	3
TOTALS	()	24	31	91	16	13	12	193

DIPHTHERIA IMMUNISATION.

		Total.	153	1,562	784	477	378	325
()	1000	5 years	118	1,209	402	179	127	91
11.1	(Mack	5 years	35	293	38.2	298	251	234
			*	:	:	:	:	•
			:	:	:	:		:
ised:			:	:	*	:		:
ווווווווו			;	:	:	:	:	:
Number of children immunised:			1940	1941	1942	1943	1941	1945

1945	Under Between 5 5 yrs. and 15 yrs. 60.0% 93.5%	0	0	0	0
1944	Under Between 5 Under Between 5 yrs. and 15 yrs. 60.0% 92.0% 60.0% 93.5%	^1	0	0	0
1943	Under Between 5 5 yrs. and 15 yrs. 50.0% 90.5%	60	-	5	0
1942	Under Between 5 5 yrs. and 15 yrs. 3 yrs. and 15 yrs. 22.8% 58.4% 70.0% 85.0% 50.0% 90.5% 60.0% 92.0% 60.0%	ιn	0	e	C
1041	Under Between 5 5 yrs. and 15 yrs. 22.8% 58.4%	10		0	C

ulation	:
ndod	:
child	cember
JO	Ã
ed percentage	-
Estimated	ntni

- (a) No. of cases of Diphtheria in children under 15 years of age notified during the year
- (b) No. of cases included in (a) in which child is known to have completed course of immunisation not less than 12 weeks before onset of the disease ...
- (d) No. of deaths included in (c) in which child is known to have completed course of immunisation not less than 12 weeks before onset of disease ...

PARTICULARS OF NEW CASES OF TUBERCULOSIS AND ALL DEATHS FROM THE DISEASE FROM 1941-1945.

1941				N	ete ou	ses		Deaths					
						No	12-						091-
dye to	riods		Pulme	mary		Pulma			Pulm			Pulm	
			MI.	F.		M.	F.		MI.	F.		M.	F.
Under 1 yea	Γ	• • •	_			_	-			_		_	_
1 year		• • •	_				_		_		• • •	-	_
5 years	• • •		-			1			_	_	• • •		_
10 ,,			_	_		_	_		_	_	• • •	_	_
15 ,,		***	1	1	• • •	_			1	_	• • •	_	_
2(1 ,,			1			_	1		3	1		_	
25 ,, 35 ,,	• • •		3			_		• • •	1	1			
f E	• • •	• • •		_	• • •				1	_		_	
==	• • •	* * *		_	• • •				_	_			
65 and upw	enrds	• • •	_				_		_			_	_
00 11111 11111	THE CALL	•••											
TOTALS	S		5	3		1	1		6	2		_	_
			-										
1942													
Under 1 vea	ır		_				_			_		_	
1 year			_	_		_	1			_		_	1
5 years			2	_		_	2			_			_
10 ,,		• • •	-	_		_	_			_		_	-
15 ,,			_	_			1		1	1		_	
20 ,,			_	3			_	• • •		_	• • •		
25 ,,		• • •	2	2	• • •	1		• • •	1		• • •		1
35 ,,	***	• • •	1	_	• • •	_	-		2	1	• • •	_	
45 ,,	• • •	• • •	-			_		• • •			• • •		
55 ,. 65 and upv	1.	* * *	_	_	• • •			• • •		_		_	_
65 and upv	V 211 CLS	• • •			• • •						•••		
TOTALS	S		5	5		1	4		4	2			2
10171		•••										-	
1943													
Under 1 ye	27			_		_	_					_	_
1 year		• • •		_	• • • •						•••		-
5 years		• • • •	_	_		2	1						
10 ,,		***	_							_			
15 ,,	• • •	***	_										
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TOTALS

10 9

Sanitary Inspector's Annual Reports, 1941-1945.

Section C. Sanitary Circumstances of the area.

1 (1) Water.

(a) Piped Supplies.

The pumping station at Kensworth was completed during the year, the small original scheme was discontinued and the whole village was then supplied from the new borewells, station and water tower. The coming into operation of the new scheme should ensure an adequate water supply for the whole of the Parish.

(b) Public Borewells.

The Council's borewells at Barton, Caddington, Slip End, Streatley, Sundon and Studham continued to yield sufficient and wholesome supplies. During the year a water-operated hypo-chlorinator was installed at the Sundon pumping station to safeguard the purity of the public supply.

The water details of all the parishes are set out in the following table:-

		and the same					
FARISH.		Population Est. January, 1941.	Total estimated amount consumed daily (gals.)	Present source of surphy.	Proposed source of surply.		Remarks.
Barton Billington		1,665 316	21,300 3,160	Council's Borewell. Wells. (Borewell at	From Battl	esden.	The supplies of
Caddington Slip End)	2,308	46,160	Caddington. Borewell at Slip End.			Caddington and Slip End are now joined.
CHALGRAVE Eaton Bray Eggington	• • •	397 1,315 285	3,970 26,300 2,850	Wells. From Dunstable. Wells and small	From Battl	esden.	Via Totternhoe.
HEATH & REACH HOCKLIFFF HOUGHTON REGIS		1,006 562 2,869	20,120 4,500 57,380	Borewell. Leighton Buzzard. Wells. From Dunstable Water Co.	From Battl From Battl From Battl	lesden.	
Нуре		668	6,680	From Luton Hoo private supply, Luton Water Co. Shallow Wells, Harpenden Water Co.			
Kensworth	}	788	15,760	(Borewell (Council's).			
STREATLEY Warden Hull)	1,543	23,145	Borewell (Council's). Luton Wafer Co.			
Studham	• • •	638	6,380	Borewell Council's).			
SUNDON	• • •	1,993	29,895	(Borewell Council's). Luton Water Co.			
STANBRIDGE TH.SWORTH TODDINGTON CHALTON THETERNHOP)	435 204 2,398 861	4,350 2,040 28,776 12,915	Shallow Wells. Wells. (Wells. Shallow Wells. From Dunstable.	From Batt From Batt		
Totternhoe Whipsnade		193	1,930	Deep well.	From Ken	sworth.	

RAINFALL AT HOCKLIFFE.

(Figures kindly supplied by Mr. C. J. Kilby, Hockliffe)

1041				77 1 1	Greate.	st raii 4 how	if all	No.	of days h .01" or		o, of days th .04" or
1941 Mont	17,			Total. Inches.	Inches.	+ HOW	Date.		More.		More.
	10				0.18		25		18		15
JANUARY			• • •	2.53		• • •			20		17
February		* * *		1.89	 (),2()		12			• • •	
March				3.19	 0.11		7		11		10
APRIL				1.35	 0.8		2		8		6
May				2,20	 ().1()		29		1()		7
TUNE				1.17	 0.98		9		7		4
lux				2.84	 0.42		26		15		13
August				4.47	 0.84		23		22		19
September				0.77	 (),(12		28		()		2
OCTOBER				1.41	 0.85		9		11		6
November				1.76	 0.72		11		11		10
DECEMBER				1.36	 0.38		6		10		7
		• • •				_					
TOTAL	• • •			24.94	 0.98	(9th Jun	e	149		116
					Miles and a second	_					

RAINFALL AT WHIPSNADE PARK.

(Figures kindly supplied by Capt W. P. B. Beal, Whipsnade Park)

/. 5		 T- 1-					_		
1941									
January		 	2.84	 0.46		18		22	 19
February		 	2.70	 0.31		16		20	 15
March		 	3.3()	 ().95		7		17	 12
APRIL		 	1.98	 0.52		1		1()	 8
May		 	2.64	 0.90		26		13	 10
JUNE		 	1.25	 0.88		9		8	 5
JULY		 	3.95	 0.70		19		17	 15
AUGUST		 	4.73	 0.88		2,3		23	 20
September		 	0.82	 0.57		28		()	 4
October -		 	1.61	 ().7()	• • •	()		10	 9
NOVEMBER		 	3.01	 0.74		11		21	 15
DICTMBER	* * *	 	1.44	 0.51		()	• • •	10	 8
TOTAL	٠	 	30.33	 0.95	- 7 t	h Mar	ch	192	 140

(c) Water Analyses.

The Public supplies were analysed chemically and Bacteriologically when necessary during the year.

Seven samples for chemical analysis were taken during the year, mainly on the request of the householders. Six proved unsuitable, one proved suitable. Steps were taken to see that the unfit sources were not used.

(ii) Drainage and Sowerage.

During the year the sewers worked satisfactorily at Barton, Eaton Bray, Houghton Regis and Toddington and were flushed out as required. Open sewers and ditches have been cleaned out at regular intervals in the remainder of the district.

2. Rivers and Streams.

The position as reported in 1939 is unaltered.

3. (i) Closet Accommodation.

A further number of closets were converted to the water carriage system at Toddington, Eaton Bray, etc. during the year.

(ii) Public Cleansing.

The conditions of refuse collection and cesspool emptying are similar to those reported in 1938.

(iii) Sanitary Inspection of the Area.

Inspections made	 281
Nuisances or defects dealt with	 125
Informal Notices served	 44

Details of Defects remedied.

Walls treated for dampness	 1.1
Roofs and gutters repaired	 19
Sink wastes, drains, etc	 23
Doors and windows	 15
Plaster repairs (walls and ceilings)	 9
Pavings and yards	 3
Floors (repaired or renewed)	 4
Coppers (repaired or renewed)	 1
Ranges, grates repaired	 3
Closet pails renewed	 6
Privies cleared and cleansed	 7
Repairs to water closets	 13

Summary of Inspections.	No. of Inspections.	Defects noted and remedied.
Factories and workplaces	51	3
Schools	10	1
Lands and premises (after complaint)	125	44
Licenced premises	11	
Knackers vards	15	1

(iv) Shops and Offices.

The position is similar to that reported in 1939.

(v) Camping Sites.

(1)	The number of sites in the area which were	used	
	for camping purposes during 1941 were		8

- (2) The number of camping sites in respect of which licences have been issued by the L.A. under Section 269 of the P.H.A. 1936
- (3) The estimated maximum number of campers resident in the area at one time during the summer season 1941 ... 6 approx.

Notices were served on owners having sites occupied without licences.

2

(vi) Smoke Abatement.	
No action was taken during the year.	
(vii) Swimming Baths and Pools.	
The position is similar to previous reports.	
(viii) Eradication of Bed Bugs.	
(1) The number of houses found to be infested were:— Council Houses 5 Other Houses 5 Houses suspected of being infested, but on examination found to be free 2	
(2) The work of disinfestation was again carried out entirely by Local Authority. The methods and materials used were similar to those stain the 1938 report.	
Section D.—Housing.	
1. Inspection of Dwe'ling Houses during the year.	
1.1010)	474
(b) Number of inspections made for the purpose	521
ander the freeze of the first the fi	349 385
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	3
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-section) found not to be in all respects reasonably fit for human habitation	49
2. Remedy of Defects during the Year without Service of Formal Notice	3.
(1) Number of defective dwelling houses rendered fit in consequence of informal action by the Local	257
3. Action under Statutory Powers during the Year.	
(a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936.	
(1) No. of dwelling houses in respect of which notices were served requiring repairs	
(2) No. of dwelling houses which were rendered fit after service of formal notices:—	
(a) By owners (b) By Local Authority in default of owners	

(b) †	roce	eedin	gs und	der P	ubli	c He	alth	Act	S						
	((1)	No. were	of dw serve	elling d req	g ho juiri	ng d	in efec	respe	ect o be	f wh	ich ediec	notic l	es	l	9
	((2)	No.	of d	wellin after	ig ser	house vice (es i	n w	hich al no	def tices	ects	We	ere		
	٠		(a)	Ву о	wners	; .										0
			(b)	By L	ocal A	Autl	hority	in in	defa	ult o	f ow	ners				0
(c		o _{roce} 1936		gs uno	ler se	ctio	ns 11	an	d 13	of t	he H	lousi	ng A	Act		
		(1)	No. orde	of dwe	elling re ma	hou ade	ises ir	re:	spect	of w	hich	den	noliti	on		0
		(2)	No. dem	of dw olitior	zelling 1 orde	g ho ers	ouses 	der	nolis 	hed 	in p	ursua 	nnce	of 		3
((d)	Proc	eedir	ngs un	der s	ecti	on 12	2 0	f the	Ноч	ısing	Act	19	36.		
		(1)	No. resp	of ser ect of	oarate whic	ter ch C	nemei Closin	nts g C	or ur Order	nderg s we	rour re m	nd ro nade	oms	in		0
		(2)	resp	of sep ect of enem	which	ch (Closir	g (Orde [®]	rs w	ere (dete	rmin	in ed,		0
4. Hous	sing	Act	., 193	36—C)vercr	'ow	ding.									
T 1941.	he	rema	arks 1	made	in the	e re	port	for	194	0 ap	ply	egua	illy t	o th	е уе	ar
Section E	•	Insp	ection	and	Supe	rvis	ion o	f Fo	ood.							
T Council u	he ınde	samı er the	p ^l ing e Foo	of m	ilk, fo l Dru	ood gs A	and Act 19	dri 938	igs is	s uno	lerta	ken	by t	the (Coun	ıty
(a) Mill	s Su	apply	у.													
E) uri:	ng th	ne ye	ar the	follo	win	g ado	ditio	ns w	ere i	nade	e to	the 1	regist	ers:	
(1)	Prer	mises	regist	ered	as	dairie	es .			•					
(2)	Who	olesal	e Pro	duce	rs			• • •		•					10
(3)	Reta	ail Pu	ırveyo	rs		• • •				•			• • •		11
during the	ne y	ear.	Wh	of the ere a n the	gener	ral l	ack o	of c	leanl [:]	iness	was	obs	erve	d, in	form	nal

The number of inspections to Cowsheds and Dairies made during the year was 287.

(b) Meat and other Foods. Slaughter Houses.

All meat supplies for the district is now obtained from the Ministry of Food's slaughter house at Dunstable, where the meat inspection is carried out by the Sanitary Inspectors for Dunstable Borough.

(c) Adulteration of food, etc.

The food and drugs adulteration Acts are administered by the County Council.

l am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

E. J. MORGANS,

Sanitary Inspector.

1942.

Section C. Sanitary Circumstances of the Area.

1. (1) Water.

(a) Piped Supplies.

The combined water scheme progressed during the year and the laying of mains was extended from Hockliffe to Chalgrave parish and eventually to the site of the new Water Tower at Toddington. This water tower is of 99,000 gallons capacity, was begun early in 1942 and was completed by the end of the year. During the year several householders in Hockliffe and Chalgrave parishes begun to avail themselves of the piped water supply.

(b) Public Borewells.

Chlorination of the water supplies was continued throughout the year. At Kensworth and Sundon Bores the yield from the borewells was found to drop, particularly Kensworth, owing to the very dry period.

(c) Private Wells.

As a result of samp'es taken for analysis it was found that the shallow wells serving properties at Chalton were not wholesome and it was decided to carry out regular chlorination of these wells. The number of analyses obtained during the year was eleven Bacteriological, twelve chemical; all proved to be unwholesome.

(d) General.

The water details of all parishes are set out in the following table:-

PARISII.	Population Est. January, 1942.	Total estimated amount consumed daily (gals.)	Present source of supply.	Proposed source of supply.	Remarks.
Barton Billington	1,042 288	20,840 (2,880	Council's borewell. Wells.	From Battlesden.	Satisfactory. The supplies are
Caddington Slip End	2,282	45,640 {	Bore at Cadd'n. Bore at Slip End.	_	connected to serve as a relief for each other.
Chalgrave	370	3,700	From Battlesden.	→ `	New work near- ing completion.
Eaton Bray Eggington Heath & Reach Hockliffe	1,199 273 914 465	2,730 18,280	From Dunstable. Wells. Leighton Buzzard. From Battlesden.	From Battlesden. From Battlesden.	Via Totternhoe. New work completed.
Houghton Regis	2,786	55,720	From Dunstable Water Co.	discord	•
Нуре	607	6,070	Luton Hoo Private Bore. Luton Water Co.	Harpenden Water Co. and shallow wells.	
KENSWORTH	725	14,500	Borewell (Council's).		
STREATLEY AND WARDEN HILL	1,501	22,515	Borewell (Council's). Luton Water Co.		
Studham Stydon & Sundon	561	5,010	Bore (Council's). Bore (Council's).		
Park Stanbridge	395	3,950	Luton Water Co. Shallow Wells.	Erom Battlesden.	
Tilsworth Toddington \\ & Chalton \\ Totternhoe	2,263	27,156	Shallow Wells, F-om Battlesden, Shallow Wells, Dunstable Water	Erom Battlesden. From Battlesden.	Work of main laying in progress.
Whipsnade	170	1,780	Co. Deep Wells.	From Kensworth.	From Dunstable.

RAINFALL AT HOCKLIFFE.

(Figures kindly supplied by Mr. C. J. Kilby, Hockliffe).

1942			Total,	Groates in 2-			No. wit	of days h .01" o		o, of days ith .04" or
Mor	ıtlı		Inches.	Inches.		Date.		More.		More.
January			 2.31	 0.83		23		11		9
FEBRUARY			 0.83	 0.45		1		-4		4
MARCH			 1.23	 0.33		-1		10		8
APRIL			 1.04	 0.38		6		5		4
MAY			 2.57	 0.53		10		13	* * . *	13
June			 0.45	 0.27		12		4		3
JULY	• • •		 2.50	 0.73		26		13		11
August			 1.57	 0.18		2		1-4		11
September			 0.78	 0.18		21		10		7
October			 2,82	 0.52		20		12		11
November			 1.51	 0.79		3		8		7
December	• • •	• • •	 2.17	 0.50		-1		19		14
TOTAL		***	 19.8	 0.83	2	23rd Jan	١.	123		102
							-			

RAINFALL AT WHIPSNADE PARK.

(Figures kindly supplied by Capt. W. P. B. Beal, Whipsnade Park).

						Greatest rainfall			Vo of days		o, of days	
1942				Total		in 24	hou	rs.	wit!	i .01" or	7e' 1	th.04" or
Moi	ıtlı			Inches		Inches.		Date.		More.		More.
JANUARY				2.99		().70		23		16		10
February		• • •		1.03		0.35		1		10		5
March	• • •	• • • •		2,()2		0.56		18		14		11
APRIL	• • • •			1.39		0.42		6		8		7
May				3.27		0.63		10		17		12
JUNE		• • •		0.45		0.26		12		3		2
JULY	• • • •	• • •		2.74		0.64		20		16		10
August				2.68		0.54		3		17		14
SEPTEMBER	• • •			1.17		0.29		20		13		7
OCTOBER	• • •	• • •	• • •	3.51		0.65		20		14		9
NOVEMBER	• • •	• • •	• • •	1.68		0.38		1		12		7
DECEMBER	• • •	***		2.84		0.30		21		21		17
THERMBER	• • •	• • •			•••		• • • •		-			
TOTAL				25.77		0.70		23rd Jan	1.	161		111
. () 1.11									→			

(ii) Drainage and Sewerage.

The sewers worked satisfactorily at Barton, Eaton Bray, Houghton Regis and Toddington and were flushed where necessary. All open sewers and ditches were cleaned out as often as possible.

More properties were connected to the sewers at Barton, Eaton Bray and Toddington.

2. Rivers and Streams.

The condition of the River Lea at East Hyde Mill was again brought to your notice, owing to the large amounts of oil pollution and undigested scwage passed into the River in the Borough of Luton. Efforts were made to obtain a remedy of this condition.

3. (i) Closet Accommodation.

Six closets were converted to the water carriage system during the year. They were in the following parishes:— three in Toddington, one in Houghton Regis, one in Stanbridge and one in Tilsworth.

(ii) Public Cleansing.

The conditions of refuse col'ection and cesspool emptying are similar to those reported in 1938. The salvage of waste materials continues to be carried on alongside the normal refuse collection.

(iii) Sanitary Inspection of the Area.

Number of inspections made	 187
Formal Notices served	 1
Informal Notices served	 71
Nuisances or defects dealt with	 143

Summary of Inspections.	No. of Inspections.	Defects noted and remedied.
Lands and premises	103	57
Factories, and workplaces	32	4
Licenced premises	8	
Schools	9	
Knackers yard, slaughter houses and Butchers' shops	35	2
Details of Structural Defects Remedied.		
Walls treated for dampness		5
Roofs and gutters repaired	1	7
Sink wastes, drains, etc	2	5
Doors and windows	1	1
Plaster repairs (Walls and Ce	ilings) 1	4
Passages and yard pavings		6
Floors (Repaired or renewed		7
Coppers (Repaired or renewe	ed)	2
Ranges, grates repaired		8
Privies cleared and cleansed	• • •	3
Repairs to water closets	1	6
(iv) Shops and Offices.		
It was not found necessary to take any	action during	the year.

It was not found necessary to take any action during

(v) Camping Sites.

(1) The number of sites in the area which were used for camping purposes during 1942 were ...

9

9

- The number of camping sites in respect of which licences have been issued by the L.A. under section 269 of the Public Health Act, 1936
- (3) The estimated maximum number of campers resident in 60 the area at one time during the Summer season

Notices were served on owners having sites or moveable dwellings without licences.

An application for a land licence was refused by the Council, the owner subsequently appealing to the Court against the decision. The court dismissed the appeal.

(vi) Smoke Abatement.

No action was taken during the year.

(vii) Swimming Baths and Pools.

The position is similar to previous reports.

viii) Eradication of Bed Bugs.	
(1) The number of houses found to be infested were:—	
Council houses 4	
Other houses 8	
Houses suspected of being infested but on examination found to be free	
(2) The work of disinfestation was carried out entirely by t Authority. The work was done with liquid fumigants, th being Lawvercide and Zaldecide. No block disinfesters we	e liquids
Eection D.—Housing.	
1. Inspection of Dwelling Houses during the year.	
(1) (a) Total number of dwelling houses inspected fo housing defects (under Public Health or Housing Acts)	g 250
(b) Number of inspections made for the purpose	. 409
(2) (a) Number of dwellinghouses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations 192 and 1932	d 5
(b) Number of inspections made for the purpose	. 362
(3) Number of dwellinghouses found to be in a state s dangerous or injurious to health as to be unfit for huma habitation	
(4) Number of dwelling houses (exclusive of those referred t under the preceding sub-head) found not to be in a respects reasonably fit for human habitation	11
2. Remedy of Defects during the Year without Service of Formal N	otices.
Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority or their officers	
3. Action under Statutory Powers during the Year.	
(a) Proceedings under sections 9, 10 and 16 of the Housin Act 1936:—	S.
(1) Number of dwellinghouses in respect of which notices were served requiring repairs	h 3
(2) Number of dwellinghouses which were rendered fafter service of formal notice:—	it
(a) By owners	
(b) Ry local authorities in defaut of owners	Nil

(b) Proceedings under Public Health Acts:—
(1) Number of dwellinghouses in respect of which Notices were served requiring defects to be remedied
(2) Number of dwellinghouses in which defects were remedied after service of formal notices:—
(a) By owners
(b) By Local Authority in default of owners Nil.
(c) Proceedings under sections 11 and 13 of the Housing Act, 1936.
(1) Number of dwellinghouses in respect of which Demolition Orders were made Nil.
(2) Number of dwellinghouses demolished in pursuance of Demolition Orders 1
(d) Proceedings under section 12 of the Housing Act, 1936.
(1) Number of separate tenements or underground rooms in respect of which closing orders were made Nil.
(2) Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit Nil.
4. Housing Act, 1936. Part IV—Overcrowding.
No accurate figures for overcrowding are available. Where serious cases are brought to light efforts are made to abate them by informal action.
Section E. Inspection and Supervision of Food.
The sampling of mi'k food and drugs, under the Food and Drugs Act, 1938, is undertaken by the County Council.
(a) Milk Supply.
During the year the following additions were made to the register:—
(1) Promises registered D
(2) Whylerele Devil
(3) Retail Purveyors 6
The number of inspections of premises during the year were 317. Reasonably satisfactory conditions were maintained in the majority of cowsneds and dairies in spite of difficulties of labour and working conditions.

(b) Meat and Other Foods. Slaughter Houses.

conditions were not satisfactory.

The position is the same as in previous reports, all slaughtering being centralised at Luton, Dunstable and Leighton Buzzard.

Unfit Foodstuff.

The undermentioned commodities were condemned during the year as being unfit for human consumption:—

Approx. 173 lbs. Bacon. 51 lbs. Cheese.

One case (24 tins) Evaporated Unsweetened Milk and an assortment of tinned vegetables, fruit and meat products, totalling about 30 tins.

(c) Adulteration of Food, etc.

This work is administered by the County Council under the Food and Drugs Act, 1938, etc.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

E. J. MORGANS,

Sanitary Inspector.

1943.

Section C. Sanitary Circumstances of the Area.

1. (1) Water.

(a) Piped Supplies.

During the year the work of main laying was continued in the combined scheme, and this was completed in Eggington, Stanbridge and Tilsworth parishes. Progress was also made in Toddington, and the scheme for the extension of the mains from Stanbridge to Billington parish was begun.

As a result of the extra lengths of water mains, several houses in the parishes mentioned above were provided with piped water supplies.

(b) Public Borewells.

Chlorination of the public water supplies continued to be carried out throughout the year.

As a result of the unsatisfactory yields experienced at the Kensworth borewells, the Council decided to carry out the proposals of their consulting engineer, for the sinking of a new borewell at the Lynch, Kensworth.

(c) Private Wells.

Thirty-two samples were taken for chemical analysis; of these twenty-four were proved to be unfit for human consumption and eight proved reasonably safe. The majority of the samples were taken from shallow wells.

(d) General.

The water details of all parishes are set out in the following table:-

PARISH.	Population Est. January, 1943.	Total estimated amount consumed daily (gals.)	Present source of supply.		Proposed source of supply.	Remarks.
Barton Billington Cappington } Slip End Chalgrave Eaton Bray Eggington	1,033 282 2,213 367 1,180 274	20,600 2,820 44,260 3,670 23,600 2,740	Council's borewell. Wells. Bore at Cadd'n. Bore at Slip End. From Battlesden. From Dunstable. From Battlesden.	Erom	Battlesden.	Satisfactory. New work begun. Both supplies are linked together. New work completed. Via Totternhoe. New work
HEATH & REACH HOCKLIFFE HOUGHTON REGIS	910 446 2,747	18,200 6,690 54,940	Leighton Buzzard, From Battlesden, From Dunstable Water Co.			completed. — Satisfactory
Hyde Kensworth Streatley and } Warden Hill } Studham Sundon } & Sundon Park }	603 721 1,464 553 1902	6,030 - 14,420 21,960 - 5,530 28,530 {	Shallow wells and Council's borewell. Council's borewell. Luton Water Co. Council's borewell. Council's borewell. Luton Water Co.	Co.		
TILSWORTH TODDINGTON & CHALTON TOTTERNHOE WHIPSNADE	402 211 2,235 818 .		From Battlesden. From Battlesden. From Battlesden. Shallow wells. Dunstable Water Co. Deep Wells.	From	Battlesden, Battlesden, Kensworth,	Work completed. New work completed. Work still in progress.

RAINFALL AT HOCKLIFFE.

(Figures kindly supplied by Mr. C. J. Kilby, Hockliffe).

					•					OILIII C	<i>)</i> ·	
1943				Total.		Greate:	st rai	nfall	Nc	of day		o. of days
Moi	ith			Inches.		Inches.	4 hou	irs. Date.	701	th $.01''$ e)r 70	ith .04" or More.
JANUARY	• • •			3.69		(),41		12		21		19
FEBRUARY	• • •	• • •		0.92		0.25		5		7		6
MARCH	• • •		• • •	0.61		0.30		24		7		5
APRIL May	• • •	* * *		1.08		0.29		10		11		9
Luxur		• • •	• • •	2.40		0.52		1()		11		10
	• • •	***		2.32		0.70		1		10		9
JULY		* * *	• • •	0.76		0.22		10		8		7
Argust	• • •	* * *		2.02		0.47		5		14		11
SEPTEMBER OCTOBER		• • •	• • •	1.10		0.33		27		8		6
NOVEMBER	• • •		• • •	2.24		0.54		19		1-1		12
LOVEMBER	• • •		• • •	1.43		0.39		23		11		10
DECEMBER	• • •		* * *	0.97	• • •	0.48	• • •	18	* * *	5		5
TOTAL	• • •		• • •	19.54	• • •	0.70		1st June		127	• • •	109

RAINFALL AT WHIPSNADE PARK.

(Figures kindly supplied by Capt. W. P. B. Beal, Whipsnade Park).

				Greate.	st Ra	infall	No	of days	No. of day:		
1943			Total		in 24	hou			h 01" or		
Month		Inches	Inches.		Date.	More.			More.		
LANUARY			 4.74		1.01		.31		22		18
February			 1.20		0.37		8	* * *	10		7
March			 0.73		0.42		24		8		4
APRIL			 1.17		0.19		28		14		9
May	• • •	***	 2.67		(),40		7 and 10)	12		9
JUNE			 2.41		0.70		1		12		9
JULY			 1.31		0.37		31		12		8
August	•••	• • • •	 1.89		0.38		25		13		9
SEPTEMBER			 1.14		0.38		1()		8		5
OCTOBER		• • •	 2.68		0.59		20		15		9
November			 1.49		0.29		12		17		12
DECEMBER			 1.21		0.62		17		12		4
	•••	•••	 								
TOTAL			 22.64		1.01	3	31st Jan.		155		103
								_			

(ii) Drainage and Sewerage.

No major extensions were undertaken by the Council during the year; Sewers at Barton, Eaton Bray, Houghton Regis, and Toddington were cleansed and flushed when labour was available. Open ditches and sewers ir other parishes were also cleaned as often as possible.

Some more properties at Barton and Toddington were connected to the Sewers.

2. Rivers and Streams.

The conditions at East Hyde Mill remained unsatisfactory, the river Lea being polluted with oil and undigested sewage in varying degrees throughout the year.

The Litany brook, Stanbridge was under constant inspection, as the condition of the stream deteriorated. This was due to the high percentage of sewage disposal works effluent in the stream brought about by the drier weather conditions prevailing during most of the year.

(i) Closet Accommodation.

During the year the following conversions were noted:---

Privies to water closets—one at Totternhoe, one at Streatley.

Pail closets to water closets—three at Stanbridge, two at Barton, one at Eaton Bray, one at Chalton, one at Heath and Reach, one at S.ip End.

After representations were made a Factory at Houghton Regis installed rew water closets and washing facilities for the female workers.

(ii) Public Cleansing.

Refuse collection and cesspool emptying arrangements are similar to those reported in 1938. The new cesspool emptying lorry purchased in September, 1942 (750 gals. capacity, Commer) continued to give satisfactory service throughout the year. The salvage of waste materials was continued, the majority of the salvaged material being waste paper, rags, bones, and rubber.

(iii) Sanitary Inspection of the Area.

Number of inspections made	 777
Formal notices served	 17
Informal notices served	 105
Nuisances or defects dealt with	 169

Summary of Inspections.		No of	Defects noted
Lands and premises	 • • •	Inspections. 647	and remedied.
Factories and workplaces	 	46	8
Licensed premises	 	9	1
Schools	 	13	6
Food premises, shops, etc.	 * * *	62	10

Details of Structural Defects Remedied.

Roofs and gutters	14
Doors and windows	19
	1 /
Walls treated for dampness	2
Walls and ceilings (plaster repairs)	21
Draine sink west-	2.2
Drains, sink wastes, etc	33
Floors (renewed or repaired)	4
	1
Passages and yard's (pavings)	2
Washing coppers (repaired or	_
renewed)	7
renewed)	/
Grates and ranges repaired	6
Water closets, repaired	2.4
	24
Pail closets and privies cleared and	
cleansed	E
)

(iv) Shops and Offices.

Several shops were inspected during the year for adequate ventilation, heating, and sanitary accommodation. No formal action was found to be necessary, informal action obtaining the desired results.

(v) Camping Sites.

- (1) The number of sites in the area which were used for camping purposes during 1943 were 8.
- (2) The number of camping sites in respect of which licences have been issued by the L.A. under section 269 of the Public Health Act, 1936.—8.
- (3) The estimated maximum of campers resident in the area at one time during the Summer months.—55.

Owners of land and occupiers of caravans who used caravans during the year without licences were notified of the requirements.

(vi) Smoke Abatement.

No action was necessary during the year.

(vii) Swin	ning Baths and Pools.
The	position is similar to previous reports.
(viii) Erad	ation of Bed Bugs.
(1)	The number of houses found to be infested were: Council houses 3 Other houses 9
	Houses suspected of being infected but upon examination found to be free
(2	The entire work was again carried out by the local authority. Liquid fumigants were used (Lawvercide and Zaldecide.
Section D.	-Housing.
i. Inspec	on of dwelling houses during the year.
(1	(a) Total number of dwelling houses inspected for housing defects (Under Public Health or Housing Acts) 387
	(b) Number of inspections made for the purpose 514
(2	(a) Number of dwelling houses (included under subhead above (1)) which were inspected and recorded under the Housing Consolidated regulations 1925 and 1932 210
	(b) Number of inspections made for the purpose 295
(3	Number of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 22
(4	Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation 143
2. Remo	y of defects during the year without service of formal Notices.
a. Ittani	Number of defective dwelling houses rendered fit in consequence of informal action by the local authority or their officers 68
3. Actio	under Statutory Powers during the Year.
	Proceedings under sections 9, 10 and 16 of the Housing Act, 1936.
	(1) Number of dwelling houses in respect of which notices were served requiring repairs Nil.
	(2) Number of dwelling houses which were rendered fit after service of formal notices:—
	(a) By owners Nil.
	(b) By local authority in default of owners Nil.

(b) Proceedings under Public Health Acts:-(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 48 (2) Number of dwelling houses in which defects were remedied after service of formal notices:-(a) By owners ... -6 (b) By local authority in default of owners Nil. (c) Proceedings under Sections 11 and 13 of the Housing Act, 1936. (1) Number of dwelling houses in respect of which Demolition orders were made ... Nil. (2) Number of dwelling houses demolished in pursuance of Demolition Orders Nil. (d) Proceedings under Section 12 of the Housing Act, 1936. (1) Number of separate tenements or underground rooms in respect of which closing orders were made Nil. (2) Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit ... Nil.

4. Housing Act, 1936. Part IV.—Overcrowding.

Accurate figures for overcrowding cases are still not available. As in previous years all serious cases brought to light are investigated, and efforts made to abate the overcrowding by informal action.

5. General.

During June a preliminary survey of the whole of the working class houses in the district was carried out, and a report was submitted to the Council outlining the post-war housing position (i.e., number of houses to be treated under sections 9 and 11 of the Housing Act, 1936) and their probable future housing needs.

Section E. Inspection and Supervision of Food.

(a) Milk Supply.

During the year the following registrations were carried out:-

- (1) Wholesale Producers ... 29
- (2) Retail Purveyors 1
- (3) Premises used as Dairies ... 9

Cowsheds and Dairies were inspected regularly during the year and the number of inspections carried out was 243.

Action taken during the year to maintain satisfactory conditions in cowsheds and dairies was all informal. No formal action was taken.

(b) Meat and other Foods. 1.—Slaughter Houses.

The centralised slaughtering arrangements, as mentioned in previous years, continues to be in operation.

2.—Unfit Foodstuffs

The undermentioned commodities were condemned during the year as being unfit for human consumption:—

Beef-One frozen forequarter (157 lbs.)

30 lbs. Minced Beef.

24 lbs. Beef (Miscellaneous cuts)

Bacon—? lbs. bacon (collar).

20 lbs. Bacon (Various Cuts).

Tea-41 lbs. Tea (Mildew).

Fish—One box Dogfish. 54 stone weight.

Tinned Meats—One x 6 lbs. tin chopped ham, 2 x 2½ lbs. tins Chopped Pork.

2 x 3 lbs. tins "Prem." 2 x 6 lbs. Corned Beef.

4 x 3 lbs. tins Corned Beef.

Other Tinned Foods—24 tins Evaporated unsweetened Milk. 6 tins Skimmed Milk (Sweetened).

2 tins Peas. One tin Plums.

(c) Adulteration of Food, etc.

This work is administered by the County Council, under the Food and Drugs Act, 1938, who also undertake the sampling of Milk, food and drugs under the same Act.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

E. J. MORGANS,

Sanitary Inspector.

1944.

- 1. Section C. Sanitary Circumstances of the Area.
- (1) Water.
- (a) Piped Supplies.

The proposed new borewell at the Kensworth Lynch site was commenced, and the bore was completed at the end of the year. It is hoped that the yield from the new bore will be a potential of 30,000 gallons per hour. It is proposed to utilise this new bore (21 ins.) to supply Kensworth and later Whipsnade, Studham and eventually Eaton Bray.

The main laying at Toddington and Billington was completed, thus finishing the combined scheme. A large number of new services were made from the mains in all newly supplied parishes, the connections being accelerated to ease the water shortage due to the abnormal dry weather and the low water level of all shallow wells.

(b) Public Borewells.

The chlorination of public supp'ies was continued throughout the year.

The unsatisfactory Kensworth borewell continued to yield the minimum water requirements for the village, and will be discontinued when the Lynch scheme comes into full operation.

The Council's borewells in the other parishes mentioned in previous years yielded fairly satisfactori'y during the year.

(c) Private Wells.

Sixteen samples were taken—14 for chemical analysis and two for bacteriological examination. The results proved that samples from four wells were considered safe, and samples (chem and Bact.) from 10 other wells were unfit for drinking purposes.

Five samples of stream water were taken for chemical analysis (See Rivers and Streams).

(d) General.

The present water details of the parishes are set out in the following table:—

	-					
PARISH.		Population Est. January, .941.	Total estimated amount consumed daily (gals.)	Present source of supply.	Proposed scurce of supply.	Remarks.
Barton Billington	•••	1,023 263		Council's Borewell. Battlesden.		Satisfactory. Small extensions
CADDINGTON SLIP END CHALGRAVE EATON BRAY	}	2,304	3,300	Bore at Cadd'n. Bore at Slip End. Battlesden.		to be carried out. Both supplies linked. Satisfactory.
Eggington Heath & Reach Hockliffe		1,125 286 819 492	22,500 2,860 16,380	Dunstable, Battlesden, Leighton Buzzard.	From the Lynch. From Battlesden.	
Houghton Regis			7,380 51,580	Battlesden, Dunstable Water Co. (Luton Water Co.	Harnenden Water	Satisfactory, —
Hyde Kensworth	• • •	618 810	6,180	Luton Hoo bore, a	— Co. and shallow wells.	
STREATLEY & WARDEN HILL SUNDON	}	1613	24,195 {	Council's bore, Luton Water Co. Council's bore,		completion.
& SUNDON PARK STUDHAM STANBRIDGE		1889 564 382		Luton Water Co.	New Lynch bore.	Satisfactory.
The Sworth Toddington & Chalton Totternhoe	}	177 2,176 755	26,110		Battlesden.	Satisfactory, Wells chlorinated.
Whipsnade	• • •	198		Dunstable Water Co. Deep Wells.	New Lynch Bore.	Satisfactory.

(ii) Drainage and Sewerage.

Again, no major extensions to the sewers were undertaken by the Council The sewers at Eaton Bray, Barton, Houghton Regis and Toddington continued to work fairly satisfactory. In other parishes where open sewers and ditches were used for sink waste drainage, these were cleaned out as often as labour was available.

Negotiations were begun during the year for the provision of a 9in. sewer and connecting to the Dunstable Borough sewerage scheme, in order to drain the Empire Rubber Company's works, Caddington. At present the works drainage, including some deleterious chemicals terminates in a shallow sump in the adjoining field.

In the early part of the year the Council received reports from their Consulting Engineer on the proposed post-war drainage requirements of Barton, Kensworth, Studham and Whipsnade.

2. Rivers and Streams.

The conditions of the river Lea at East Hyde Mill, although still unsatisfactory, improved to a certain extent during the year. This was due to the operation of the new sewage disposal works for Luton Borough (situated at East Hyde and employing the activated sludge process).

The Litany brook, Stanbridgeford was again under constant inspection. The persistently dry weather conditions produced a very high percentage of sewage works effluent in the volume of the stream. Five samples of the stream or effluent were taken.

To quote the analyst's report of the state of the stream water on 22nd May, "it is evident that the proportion of effluent discharged is too great for the volume of the stream. The water at this point is quite unfit for watering stock." His report on the sample taken on the 5th June from the works outfa'l pipe stated "analysis of this sample of the effluent has shown suspended matter to be 6.4 parts per 100,000 and dissolved oxygen absorbed in 5 days at 4 parts per 100,000. It will be seen that these are practically double the limit figures suggested by the Royal Commission on sewage disposal."

The Engineer and Surveyor to the Borough of Dunstable has cooperated in this matter and he was able to effect an improvement in the final effluent. This was reflected in the improved condition of the stream in the latter part of the year.

3. (i) Closet Accommodation.

During the year the following conversions were noted:—

Chalgrave parish — Two privies abolished, four Pail closets substituted for them.

Billington parish —Two privies abolished. Two new cesspools with water closets constructed.

Streatley parish —One privy converted to chemical closet.

Totternhoe parish —One privy abolished. Water closet to new cesspool substituted.

Slip End parish —One pail closet converted to water closet and new cesspool constructed.

Barton parish

—One pail closet converted to W.C.

Stanbridge parish

—Two pail closets to W.Cs. (to sewer). One pail closet to W.C. (to new cesspool).

—One pail closet to water closet, and new cesspool constructed.

Eggington parish

—One pail closet to water closet, and new cesspool constructed.

Houghton Regis par'sh —One pail closet to W.C. with new cesspool.

Toldington parish — Three pail closets disused. Three new water closets built.

Also at Toddington, the drains of one property were relaid to connect to the sewer. The existing cesspool was discontinued.

(ii) Public Cleansing.

Refuse collection continued to be carried on as previously.

The amount of salvageable material was reduced during the year as it became unnecessary to collect rubber. The amounts of salvaged waste paper, rags and bones continued to be at a consistently satisfactory level.

The Bedford cesspool emptying lorry (500 gallons capacity) showed signs of wear during the year and application was made to the appropriate department for authority to purchase a new Dennis 750 gallons capacity lorry. The authorisation was not received.

(iii) Sanitary Inspection of the Area.

Number of inspections made	 1012
Formal notices served	 9
Informal notices served	 139
Nuisances or defects dealt with	 243

Summary of Inspections.	No. of	
	Inspections.	Defects noted.
Land and premises	 810	129
Factories and workplaces	 35	7
Schools	 10	3
Food premises, shops, Licenced		
premise	67	6

Details of Structural defects Remedied.

Roofs and gutters		7
Doors and windows		13
Walls and ceilings (plaster, etc.)		17
Drains, sink wastes, etc		41
Floors (renewed or repaired)		6
Passages and yards (pavings)		1
Water closets repaired		32
Pail closets and privies		9
Grates and ranges repaired		4
Washing coppers (repaired	or	
renewed)		5

(iv) Shops and Offices.

No formal action was taken during the year. Informal notice was given in regard to Sanitary accommodation and ventilation in a few cases of shops. Defects were reported to the Inspector of Factories in the case of a shop at Sundon Park which has been converted into a small factory.

		12 11111	11 11113 150	ch conv	crea m	to a sinc	iii racio)1 y .		
(v)	Camp	ing Sit	es.	ď						
	(1)		number o urposes				were us	sed for c	amp-	10
	(2)	have	number o been issu e Public	ied by t	he local	authorit	ect of v cy unde 	r section	ences n 269	10
	(3)		estimated rea at on						ent in	65
(vi)	Smok No 1		tement. action w	as taken	during	the year	,			
(vii		_	Baths and		revious	reports.				
(vii) Eradi	cation	of Bed !	Bugs.						
	(1)	The m	ımber of	houses	found t	o be inf	ested w	ere:—		
			cil house							4
			houses						• • •	8
		Hous for	es suspec und to be	ted of b	peing inf	ested bu	it upon	examin	ation 	Nil.
sam	The	metho previou	ods of ca us years.	arrying	out the	work a	nd mat	eria's us	sed were	e the
Sect	ion D.—	-Housi	ng.							
1.	Inspecti	on of	dwelling	houses	during t	he year.				
		(a) ·	Total nu	ımber d	of dwel	ling ho	uses ir	or Ho	for using	4.5.0

(2) (a) Number of dwelling houses (included under subhead (1) above) which were inspected and recorded

head (1) above) which were inspected and recorded under the Housing Consolidated regulations 1925 and 1932

(b) Number of inspections made for the purpose ... 511

473

688

356

13

167

(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation

(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ...

2.	Remedy of	defects during the year without service of formal notices.	
	que	mber of defective dwelling houses rendered fit in consecute of informal action by the local authority, or their cers	54
3.	Action und	er Statutory Powers during the year.	
	(a) Pro Ac	ceedings under sections 9. 10 and 16 of the Housing t, 1936.	
	(1)	Number of dwelling houses in respect of which notices were served requiring repairs	2
	(2)	Number of dwelling houses which were rendered fit after service of formal notices:—	
		(a) By owners(b) By local authority in default of owners	Nil. Nil.
	(b) Pro	oceedings under Public Health Acts.	
	(1)	Number of dwelling houses in respect of which notices were served requiring defects to be remedied	25
	(2)	Number of dwelling houses in respect of which defects were remedied after service of formal notices:	
		(a) By owners (b) By local authority in default of owners	4 Nil.
	(c) Pro 193	ceedings under Sections 11 and 13 of the Housing Act,	
	(1)	Number of dwelling houses in respect of which Demolition orders were made	Nil.
	(2)	Number of dwelling houses demolished in pursuance of Demolition Orders	Nil.
	(d) Pro	ceedings under Section 12 of the Housing Act, 1936.	
		Number of separate tenements or underground rooms in respect of which closing orders were made	Nil.
	(2)	Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit	Nil.

4. Housing Act, 1936. Part IV.—Overcrowding.

Accurate figures of overcrowding cases are still not available. As previously an attempt was made to abate the more serious cases of overcrowding. A detailed housing Survey of the whole district was commenced at the end of the year (as recommended in the Hobhouse report) and the opportunity was taken to check the number of occupants of each house with criginal overcrowding survey figures.

Section E. Inspection and Supervision of Food.

As in previous years the sampling of milk, food and drugs, under the Food and Drugs Act, 1938, is undertaken by the County Council.

(a) Milk Supply.

During the year the following additions were made to the registers:-

- (1) Premises registered as Dairies ... 6
- (2) Wholesale Producers ... 8
- (3) Retail purveyors 1

Inspections of Cowsheds and Dairies during the year totalled 266. The war-time difficulties of labour, and working conditions generally were still felt acutely, but in the majority of premises reasonably satisfactory conditions of cleanliness in the handling of the milk were maintained in the district. Informal notices were issued in a number of cases where conditions were unsatisfactory. No formal action was taken during the year.

(b) Meat and other Foods.

1. Slaughter Houses.

The position is the same as last year's report.

2. Unfit Foodstuffs.

The undermentioned commodities were condemned during the year at being unfit for human consumption:—

Bacon—15 lbs. Bacon (Various Cuts). 17½ lbs. Bacon (Gammon).

Pork—One box (112 lbs.) Pork shoulders.
One box (139 lbs.) Picnic shoulders.
16 lbs. Frozen Pork loins.

Cheese-27 lbs. Canadian cheese.

Tea— $2\frac{1}{2}$ lbs. Tea (mildew).

Butter-33 lbs. Butter (rancid).

Tinned Meats—One x 6 lbs. tin chopped Ham.
One x 3/4 lbs. tin chopped Ham.
5 x 1-lbs. tin Irish stewed steak

Tinned Fish—One x 1-lb. tin Salmon.

Other tinned foods-2 tins Baked Beans.

4 tins vegetables in gravy, one tin plums, one tin Evaporated milk, one tin Apricot Jam.

(c) Adulteration of Food and Drugs, etc.

The position is the same as in previous years.

lam, Mr. Chairman, Ladies and Gentlemen.

Your obedient servant,

E. J. MORGANS,

Sanitary Inspector.

January, 1945.

Engineer's and Sanitary Inspector's Annual Reports, 1945.

SECTION C—SANITARY CIRCUMSTANCES OF THE AREA.

1. (i) Water Supply.

Barton.

The public supply for the parish of Barton failed during the Summer owing to the extreme low level of the underground water, the Council's borehole ran dry, and for some weeks water was carted to the village.

A temporary scheme for the supply of water in bulk from the mains of the Luton Water Company near the Streatley Casual Wards, was approved by the Minister of Health and some 4,250 yds. of 4 inch main were laid—approximately 2,000 yards of same being laid over the surface; a supply was afforded by early November and since that date the whole of the supply has been taken from this source.

On two occasions during the winter the overground main froze up and steps have been taken in an endeavour to obviate this recurring.

Kensworth.

Considerable difficulty has been experienced during the whole of the year in providing a supply of water at Kensworth.

The work on the sinking of the second borehole at the Kensworth Lynch Site was completed in November.

This borehole is 24in, in diameter and is sunk into the chalk to a depth of 280 ft.

A temporary air lift test was carried out in order to clean the borehole and arrangements made for a simultaneous test on the two boreholes to be carried out in early 1946.

A Contract was entered into for the laying of approximately two miles of 9" diameter main from the new borehole to connect with the existing 4" main in the village.

Whilst the quantity of water available at the Council's pumping station has not at all times been sufficient, the quality has been satisfactory.

Water Supply—Sources.

With the exception of two small sources, chlorinating machines are installed in the pumping stations and the water is automatically chlorinated as a precautionary measure. Samples from all sources are taken at regular intervals for Chemical and Bacteriological Analyses.

Bucks Water Board—Bulk Supply.

The daily quantity of water taken from the Bucks Water Board's Pumping Station at Battlesden is increasing and in March, 1946 this was approximately 35,000 gallons.

This figure wou'd undoubtedly increase to a much higher figure if it were possible to obtain the necessary labour to connect all properties to the mains which are awaiting the supply.

Samples of water from the Mains supplies at Barton, Caddington, Eggington, Heath and Reach, Kensworth, Slip End, Streatley, Sundon, Studham and Toddington have been bacteriologically and/or chemically examined at frequent intervals during the year. The reports established that these supplies were satisfactory with the exception of the supplies to the parishes of Streatley and Sundon. These sources are now being chlorinated and subsequent examinations have produced satisfactory reports.

Private Supplies.

Samples of water from shallow wells and other sources were examined in 14 instances and only in 5 of these were the results satisfactory. Where the results have failed to establish the purity of the water the owners were requested by formal or informal notice to provide a wholesome water supply. Only in one instance, viz:— at "Dunedin," Harlington Road, Toddington, where no alternative supply is readily available has informal action failed. Until such an alternative supply becomes available the water used for drinking purposes is boiled or taken from a standpipe in Toddington.

1. (ii) Drainage and Sewerage.

Owing to the war-time lack of labour and materials no great improvements have been practicable in connection with the existing sewerage systems, some of which are long overdue for drastic remodelling and extensions.

Constant trouble has been experienced due to the overflowing of cess-pools and an additional 750 ga lon cesspool emptying vehicle was purchased in an endeavour to alleviate this nuisance.

The advent of a piped water supply made the above position more acute and the Council received a preliminary report from their Consulting Engineer for schemes costing some £400,000 for the provision of main drainage to all parishes in the District which were inadequately provided for at the present time.

The demands made upon the Cesspool Emptying service during the year continued to increase. It became evident that many cesspools which frequently gave rise to conditions which constituted a Nuisance were less than 1,000 gallons capacity and were consequently preventing the service operating efficiently.

The Council subsequently adopted a recommendation which provides for the construction of cesspools of a standard minimum size, viz:—

House with not more than a	bath, a	W.C.	and two	sinks	2,000	gals.
For each additional sink	• • •				250	gals.
For each additional W.C.					500	gals.
For each additional bath					750	gals.

Where two or more houses drain into a common cesspool, a practice to be encouraged where ownership is common, the above standard is recommended, the house with the maximum number of fittings being used as the basis and 750 gallons required for each additional house.

2. Rivers and Streams.

Action was taken in conjunction with the Catchment Board and the War Agricultural Executive Committee to cleanse all streams taking effluent from sewage works, ditches, etc., but here again the maintenance work is seriously handicapped owing to the complete absence of labour to carry out this work.

Farmers in the parishes of Stanbridge and Tilsworth complained of the foul condition of the Ousel stream which was contaminated by the effluent from the Dunstable Sewage Disposal Works thus making the water unfit for their cattle. This question was taken up with the Dunstable Borough Engineer and it is hoped that at a not too distant date the position will be corrected.

(i) Closet Accommodation.

Several conversions from conservancy system to water carriage were carried out during the year, but there are far more properties awaiting conversion than have been carried out and the night soil collection in the more populated areas has had to be retained.

The conversion of Earth Closets into Water Closets is being carried out by owners of dwelling houses in the parish of Toddington where the sewer was laid shortly before the outbreak of war. Some of the builders effecting the improvements proceeded without submitting plans or consulting the Council's Officers. Consequently the new accommodation was in some instances badly sited and little regard for the tenant was exercised. On being informed of such cases the Council took immediate action and communicated with all builders in the district offering the advice of their officers to owners or builders. The practice encouraged in the district is to place the water closet inside or adjoining the dwelling house where practicable.

3. (ii) Public Cleansing.

The Collection of Household Refuse has been carried out by Contract and many complaints as to non-collection were received—this mainly due to lack of available labour.

The Council have under consideration the carrying out of the whole of the refuse collection work by direct labour and hope to put this scheme into operation during the coming year.

The abolition of fixed ashpits in favour of sanitary dustbins was carried out in 10 instances. The benefit of these improvements cannot be appreciated until an efficient Refuse Collection Service operates throughout the District. The Council have under consideration the question of improving this Service.

3. (iii) Sanitary Inspection of the Area.

The following is a summary of Inspections, Re-inspections, etc., made during the year:—

General Sanitation.		Sanitation of Special Premises.
Sewerage and Drainage Sanitary Conveniences Water Supply Refuse Nuisances.	77 31 41 59	Factories and Workshops 6 Moveable Dwellings 27 Cinemas 1 Butchers' Shops 4 Knackers Yards 2 Bakers' Shops 5 Fried Fish Shops 2
Premises Filthy or Verminous Premises Watercourses, ditches, etc. Animals Accumulations, deposits, etc., Disinfestations Miscel'aneous	95 24 7 13 14 4 25	Food. Unsound Food 12 Milk and Dairies 49 Cowshed and Dairy Inspections 144 Sediment Tests 306 Samples (Bacteriological Exam.) 3 Miscellaneous 14
Infectious Disease. Investigations Disinfections 3. (iv) Shops and Offices.	37 35	

No action taken.

(v) Camping Sites.

The number of camping sites in respect of which licences have been issued by the local authority under Section 269 of the Public Health Act. 1936.—Nil.

Moveable Dwellings.

27 inspections and investigations were made during the year. Generally, conditions were found to be favourable with the exception of caravans at Chalk Hil, Houghton Regis, Folly Lane, Caddington, and at "Bancroft," Sharpen-Informal action was taken in each case and in the first two cases improvements were carried out. With respect to the latter Statutory action was taken for the purpose of abating a Nuisance and the enforcement of the licencing provisions of section 269 of the Public Health Act, 1936.

3. (vi) Smoke Abatement.

No action taken.

3. (vii) Swimming Baths and Pools.

There are no such Baths in the District.

3. (viii) Eradication of Bed Bugs.

Particulars of the action taken for the eradication of bed bugs:-

		Infested.	Disinfested.
(1) Council Houses	 * * *	Nil.	Nil.
Other Houses	 	11	11

- (2) In all cases the premises, furniture, etc., are treated with a blow lamp, the operative being skilled in the use of this appliance. The premises are then disinfested by one of the following methods.
 - (i) Fumigation by "Thermatox."
 - (ii) Spraying with an Insecticide containing D.D.T.

If the latter method is resorted to the premises are sprayed twice at intervals of 10 days.

- (3) Where bedding, bedclothes, clothing, etc., are suspected of being verminous rooms containing these articles are fumigated by "Thermatox."
 - (4) By the Local Authority.
- (5) Simple instructions in Hygiene and the proper use of D.D.T. Insecticides.

Observations. The uncontrolled movement of second-hand furniture constitutes a serious menace to the community and if the eradication of bed bugs is to become effective the movement of this type of furniture will have to be controlled and sold under the Local Authorities' Certificate only.

Section D.—Housing.

Rural Housing Survey.

Early in the year the County Joint Committee recommended by the Rural Housing Sub-Committee of the Central Housing Advisory was established and arrangements were made for carrying out the Survey of housing conditions in rural areas as recommended in the report of the above-mentioned Sub-Committee. The Joint Committee also established a Standard of Fitness upon which the Survey and the subsequent classification of houses could be based.

The Survey is being carried out in two stages, viz:-

Preliminary stage. This has been undertaken by the Council's Sanitary Inspector who makes a premliminary survey of houses within the district and without taking detailed notes, the procedure which takes up the major portion of time spent on surveying houses, places each house in one of the following categories. At the end of the year the preliminary survey had progressed to a state summarised below, twelve of the nineteen parishes in the district having been visited.

Category.	Condition of Dwelling.	Nos.
1	Satisfactory in all respects	
2	Datisfactory in all respects	495
4	Minor defects	968
3	Requiring repair, structural alteration or improvement	
4	Appropriate for a service district after after of improvement	669
7	Appropriate for reconditioning under Housing (Rural	
	Workers) Acts	54
5	Unfit for habitation and beyond repair at a	77
	and beyond repair at a	
	reasonable cost	263

Detailed Stage. Following the suggestion made by the Minister in Circular No. 67/45 (Rural Housing Survey) consideration was given to training persons not possessing the Sanitary Inspector's qualifications to assist in carrying out the detailed survey. Subsequently a Housing Assistant was appointed and towards the end of the year the detailed survey was commenced. It is interesting to note that the detailed survey has not resulted in the changing of the category of the houses surveyed except in a few instances.

Normal Housing Return.

1.	Inspecti	n of Dwelling-houses during the Year:—	
		(a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing	71
			, . 7 I
	(2)	(a) Number of dwelling-houses (included under subhead (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	
		(b) Number of inspections made for the purpose	
	(3)	Number of dwelling-houses found to be in a state so langerous or injurious to health as to be unfit for human abitation	4 <i>7</i>
	(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all	56
	(5)		58
2.	Ramady		
dua e		of Defects during the Year without Service of formal Notices:-	
	Nume	r of defective dwelling-houses rendered fit in consequence f informal action by the Local Authority or their officers	3()
3.	Action 1	nder Statutory Powers during the Year:—	
	(a)	Proceedings under sections 9, 10 and 16 of the Housing Act, 1936:	
		1) Number of dwelling-houses in respect of which notices were served requiring repairs	
		2) Number of dwelling-houses which were rendered fit after service of formal notices:—	
		(a) By owners	<u> </u>
	(b)	roceedings under Public Health Acts:	
•		1) Number of dwelling-houses in respect of which formal notices were served requiring defects to be remedied	2
		2) Number of dwelling-houses in which defects were remedied after service of formal notices:—	
		(a) By owners (b) By Local Authority in default of owners –	 -
	(a) Number of dwelling-houses in respect of which informal notices were served requiring defects to be remedied 6	6
	(a) Number of dwelling-houses in which defects were	0

- (c) Proceedings under sections 11 and 13 of the Housing Act, 1936:
 - (1) Number of dwelling-houses in respect of which Demolition Orders were made
 - (2) Number of dwelling-houses demolished in pursuance of Demolition Orders
- (d) Proceedings under section 12 of the Housing Act, 1936:
 - (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ...
 - (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ...

4. Housing Act, 1936—Part IV.—Overcrowding.

Until the Rural Housing Survey is completed the position with regard to overcrowding in the district remains difficult to assess. It is evident however that the position will not improve substantially until the Council's rehousing schemes which provide for the erection of 600 houses, are completed. The fact that of the 652 applicants for Council houses 191 live with relatives or other families stresses the seriousness of the overcrowding of families as distinct from normal overcrowding.

Section E. Inspection and Supervision of Food.

Milk Production and Supply.

During the year every ungraded producers premises within the district was visited at the time of milking for the purpose of carrying out Sediment Tests on unstrained and strained milk and Inspection of methods of production. Regard for the condition of premises was also included but on account of the difficulty of effecting improvements and the fact that premises, although required to be suitable and conducive to cleanliness are secondary to "clean methods" of production, they were at this stage not examined in detail.

As a result of these tests and inspections the following information has been obtained.

Good Producers	(Dairyminded and Complying with Milk and Dairies Orders)	41
Fair to Good	(Dairyminded but Minor Contra- ventions of Milk and Dairies Order	4.0
	found)	48
Fair	(Not Dairyminded but making some attempt to comply with Milk and Dairies Order)	34
Bad	(Not Dairyminded and making very little effort to comply with the Milk and Dairies Order)	1.1
	, , , , , , , , , , , , , , , , , , , ,	
		134

The water supply at 23 farms was found to be inadequate to meet the requirements of the Milk and Dairies Order. However where the "Dairy-minded" producer was found on such a farm he used what water was available efficiently and water used for cooling was not wasted. The producer who is not "Dairyminded" and is without an adequate water supply cannot possibly produce clean milk. In three instances the Water Supply was found to be unwholesome on producers' premises.

The cleanliness and keeping quality of milk will not be assured until the following principles are clearly fixed in the minds of every person engaged in milk production:—

- (1) Clean milk can only be produced from clean udders, teats, hands, pails, stools and then passed over clean coolers and into clean churns. If the udder cloth was regarded with the same importance as the straining cloth the need for the latter would almost disappear.
- (2) Effective cooling is essential and the Milk and Dairies Order lays it down clearly, but efficiency at this or any subsequent stage cannot recompense or restore milk to purity if the first principle is disregarded.
- (3) Whereas the first principle is of paramount importance, clean milk will not reach the householder unless the vessels holding milk are clean, viz:—the churn and the bottle. But what is a **clean** churn or a **clean** bottle? It is time that a bacteriological standard defined the issue in this case:—

The failure to give effect to these principles is responsible for the major portion of unsatisfactory milk supplies. When they receive proper attention what happens between these stages such as straining, milk standing in sunbaked churns and conveyance although important will have a considerably reduced influence on the keeping quality of milk. Clean milk will keep sweet for the period householders normally store it.

The following is a statement relating to Milk and Dairies Licences and Registrations:—

	"Tuberculin Tested" Milk Producers		15
	"Accredited" Milk Producers		14
(iii)	Ungraded Milk Producers		134
	Total	• • •	163
(iv) (v)	Retail Purveyors Producer/Retailers included in (i) to	 (iii)	19 53

Milk (Special Designations) Orders.

	Tuberculin Test				- 1
(vii)	Pasteurised Mil	k Deale	ers Supplem	entary	1

The proportion of Purveyors retaining Tuberculin Tested Milk is alarmingly small and efforts are being made to encourage the retail sale of High grade milk. Having regard to the number of Tuberculin Tested producers in the district a large quantity of this milk is produced and consumers should have the benefit of the cost and care administered in its production rather than it should be mixed with Ungraded milk and later Pasteurised.

Bacteriological Examination of Milk Supplies.

Three samples were examined during the year and the results in each case fell short of the standard prescribed for "Accredited" milk. There is no bacteriological standard for milk except that produced under a Milk (Special Designations) Order licence. For that reason the source of supplies has been kept under close scrutiny. If clean milk is produced on ungraded farms there is every possibility of the supply to the consumer being satisfactory provided the Retailer plays his part thoroughly.

Illustrated Guide to Clean Milk Production.

A two paged Pictorial Circular on the requirements of the Milk and Dairies Order was produced and sent to all producers. Many farmers expressed their appreciation of its practical value and further copies were applied for in order that milkers could have one. In many cases the "Guide" is now found on the walls of cowsheds or dairies and where an honest attempt is made to "put it into practice" the product from that source is "clean."

National Milk Testing Scheme.

The administration of this scheme continues to be effective in its "non co-operation" with the Council's staff. The failure to inform Local Authorities of the results of the tests carried out, very largely undermines the usefulness of the scheme. Judging by the "Dairymindedness" of some of the producers who receive what they wrongly term "Grade A" reports, the standard upon which results are based is not good enough. I am of opinion that the Scheme will never achieve its object until Local Authorities and their staff are taken into confidence and "co-operation" becomes the keynote.

Section E.—Inspection and Supervision of Food.

Meat and Other Foods (excluding Milk).

The following quantities of Food were found on inspection to be unfit for human consumption and have subsequently been voluntarily surrendered. Where possible these foodstuffs have been diverted to places where they could be used for feeding animals or otherwise buried at the Council's refuse tip.

Baked Beans	 	2 lb.
Corned Beef	 	23‡lb.
Corned Mutton	 	18 lb.
Pork Luncheon	 	81lb.
Prunes	 	24 lb.
Tinned Milk	 	5 lb.
Tinned Fish	 	31b.
Wet Fish (Ling)	 	71 lb.
Wet Fish (Bream)	 	69 lb.

Cafes, Snack Bars, etc.

There are six Wayside Cafes or Snack Bars in the district and on examination four of these were found to be satisfactory. The sanitary accommodation at The Sentinel Cafe, Hockliffe, was found to be structurally unsound, insanitary and inadequate. Following negotiations with the owner accommodation of a good class has been provided. The Bedford Tea Hut, Streatley, was found to be in a similar condition and in addition the building used as a snack bar was structurally defective. Negotiations are still proceeding in this case and it is hoped that at an early date the erection of a new building will be possible.

Slaughter Houses.

Since the coming into operation of the Control of Slaughtering Order 1940 slaughterhouses have only been used for occasional slaughter under Ministry of Food Permits.

Knackers Yards.

There is one estab ishment in the district and structural improvements were carried out there during the year. It was found that the provisions of the Livestock (Restriction on Slaughtering) Order 1940 with regard to the impregnating of meat with an approved colouring agent were not being properly carried out and the holder of the Knackers Licence was accordingly warned and served with a copy of Article 6 of the Order which relates to these provisions.

An average of 12 beasts are killed on these premises each week and a large quantity of the meat is sold in small quantities for dogs' and cats' meat. The meat is usually derived from animals known in the trade as "wasters" or "old screws" and many of these are in a condition of advanced or generalised tuberculosis. It is a matter for grave concern when it is realised that so much of this diseased and unsound meat, although not used for human consumption, goes into the people's homes and is handled, cut up and prepared for animal feeding under conditions which may be inherent with serious consequences. It is desirable therefore that there should be attached to Knackers Yards approved means for the treatment of meat and bones by boiling or cooking, and no meet should be allowed to leave the premises which has not been adequately boiled or cooked.

Rat and Mice Destruction Act, 1919. Infestation Order, 1943.

During the year 1,188 premises were visited, the "Block" Principle of Rodent Control recommended by the Ministry of Food being put into operation. Special attention has been paid to the premises of poultry keepers, pig keepers, butchers, bakers, general stores, warehouses and cafes. The percentage of infestation is extremely low not exceeding 2.5 per cent. Where treatment has been resorted to the Ministry of Food methods of inspection, pre-baiting, poison baiting and post-baiting are used. The poisons used in the bait are Zinc Phosphide, Arcenic and Barium Carbonate but where poultry or other animals are present Red Squill which is harmless to these but fatal to rodents is always used.

Householders and occupiers of business premises are charged at the rate of half-a-crown per hour for rodent extermination.

During the year the Council's Refuse Tips and Sewage Disposal works were regularly visited for the purpose of determining infestation. Inspections of storm overflow chambers and sewer manholes were inspected and baited where evidence of infestation was found. Infestation of sewers is of an extremely minor degree and only two rats have been picked up subsequent to poison baiting of the manholes.

If the number of complaints of rat and mice infestation is a criterion of the degree of infestation then it is reasonable to conclude that infestation generally throughout that part of the district for which the Council are the Authority responsible for destruction is of minor proportions.

We beg to remain,

Mr. Chairman, Ladies and Gentlemen,

Your obedient servants,

J. A. MURCH

(Engineer and Surveyor).

L. G. HILL

(Sanitary Inspector).

